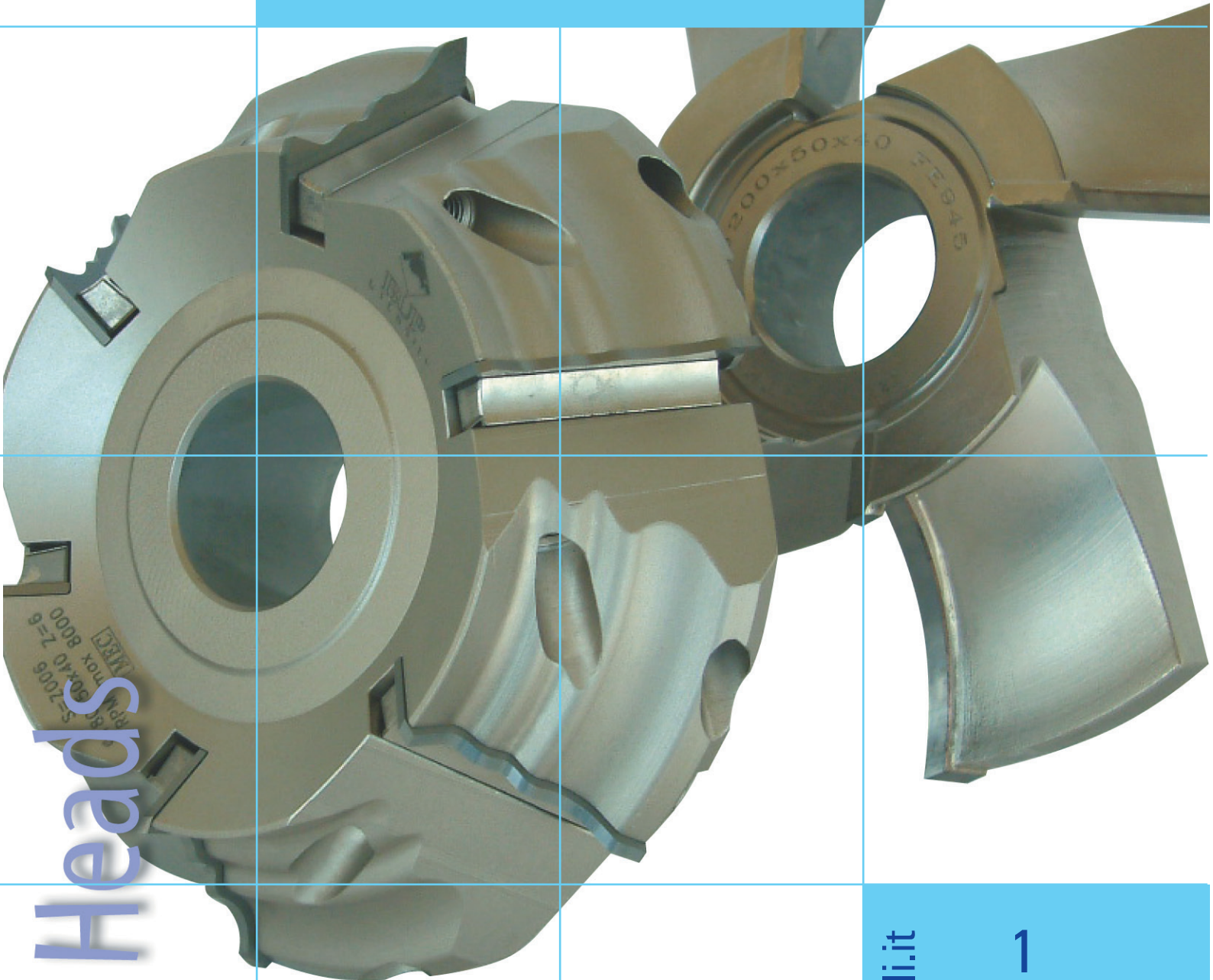




BUP
UTENSILI



Cutter Heads

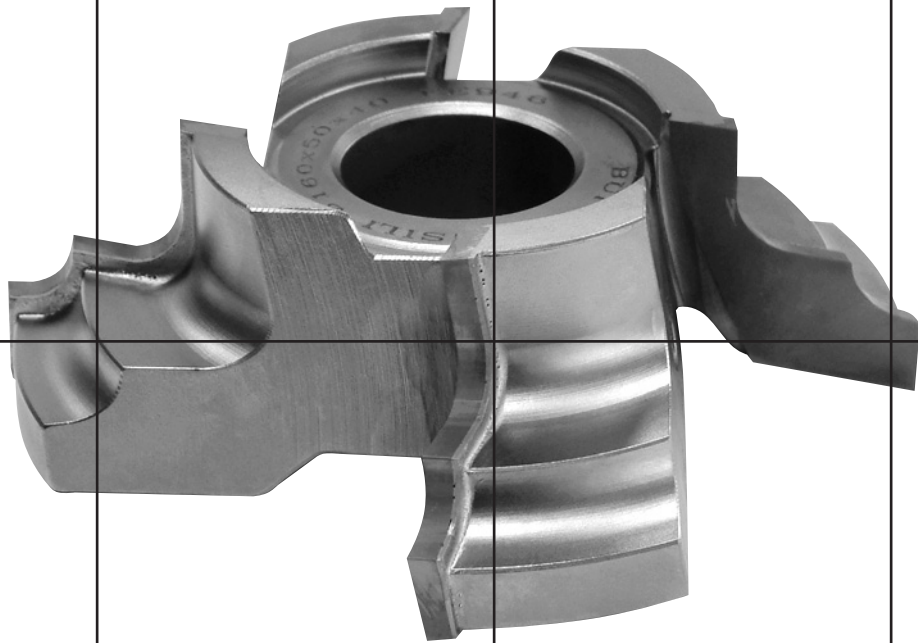
A/07



www.buputensili.it

1
2
3

1

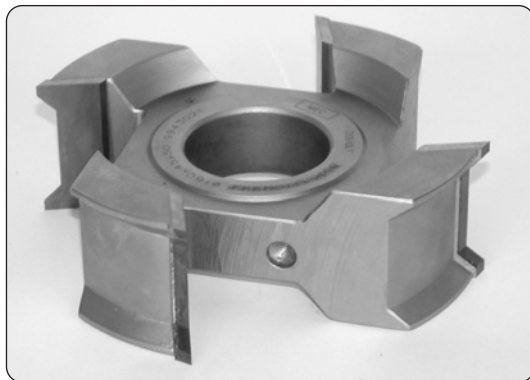


**Frese HW
sagomate e piane**

***TCT profiled and
straight cutters***

1015

FRESA SAGOMATA PROFILO SEMPLICE PROFILE CUTTERS FOR SIMPLE PROFILES



APPLICAZIONE/APPLICATION:

Per realizzare profili sagomati su disegno
For cutting profiles made on customer specifications.

MACCHINA/MACHINE:

Toupie, scorniciatrici, profilatrici etc.
Spindle moulders, moulders, double-end tenoner, etc.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

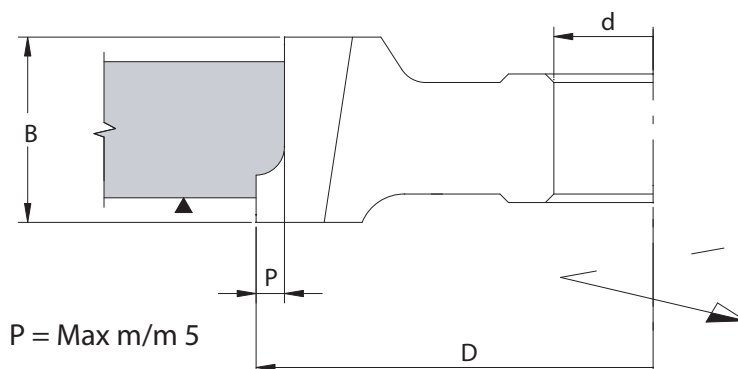
Foro "d" da 30 a 50 mm - Con taglienti diritti o assialmente inclinati in base al profilo richiesto HM per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Profondità di sagoma "P" Max 5 mm
Bore "d" from 30 to 50 mm • Designed with straight or shear cutting angles according to the profile HM for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued • Max depth of profile "P" = 5 mm.

HW-HS**Z=4****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code	Codice Code	D D	B B	Cod. Prezzo Price Code	Codice Code	D D	B B	Cod. Prezzo Price Code
1015.100.010	100	10	L18	1015.140.010	140	10	M19	1015.180.010	180	10	G20
1015.100.020	100	20	H19	1015.140.020	140	20	F20	1015.180.020	180	20	C21
1015.100.030	100	30	F20	1015.140.030	140	30	C21	1015.180.030	180	30	M21
1015.100.040	100	40	D21	1015.140.040	140	40	B22	1015.180.040	180	40	L22
1015.100.050	100	50	E22	1015.140.050	140	50	B23	1015.180.050	180	50	L23
1015.100.060	100	60	F23	1015.140.060	140	60	B24	1015.180.060	180	60	G24
1015.100.070	100	70	E24	1015.140.070	140	70	M24	1015.180.070	180	70	F25
1015.100.080	100	80	M24	1015.140.080	140	80	F25	1015.180.080	180	80	A26
1015.100.090	100	90	F25	1015.140.090	140	90	A26	1015.180.090	180	90	F26
1015.100.100	100	100	A26	1015.140.100	140	100	F26	1015.180.100	180	100	A27
1015.120.010	120	10	E19	1015.160.010	160	10	D20	1015.200.010	200	10	A21
1015.120.020	120	20	B20	1015.160.020	160	20	M20	1015.200.020	200	20	G21
1015.120.030	120	30	L20	1015.160.030	160	30	G21	1015.200.030	200	30	D22
1015.120.040	120	40	H21	1015.160.040	160	40	E22	1015.200.040	200	40	B23
1015.120.050	120	50	L22	1015.160.050	160	50	F23	1015.200.050	200	50	A24
1015.120.060	120	60	L23	1015.160.060	160	60	D24	1015.200.060	200	60	M24
1015.120.070	120	70	H24	1015.160.070	160	70	C25	1015.200.070	200	70	H25
1015.120.080	120	80	C25	1015.160.080	160	80	H25	1015.200.080	200	80	D26
1015.120.090	120	90	H25	1015.160.090	160	90	D26	1015.200.090	200	90	L26
1015.120.100	120	100	D26	1015.160.100	160	100	L26	1015.200.100	200	100	D27

FRESE Z=3 sconto 10% art. 1010/Cutters Z=3 discount 10% art. 1010

FRESE Z=6 aumento 20% art. 1020/Cutters Z=6 increase 20% art. 1020



1035

FRESA SAGOMATA PROFILO COMPLESSO PROFILE CUTTERS FOR COMPLEX PROFILES



APPLICAZIONE/APPLICATION:

Per realizzare profili sagomati su disegno
For cutting profiles made on customer specifications.

MACCHINA/MACHINE:

Toupie, scorniciatrici, profilatrici etc.
Spindle moulders, moulders, double-end tenoner, etc.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

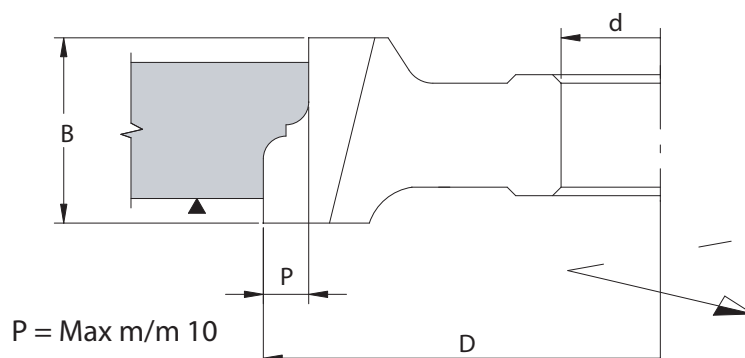
Foro "d" da 30 a 50 mm - Con taglienti diritti o assialmente inclinati in base al profilo richiesto HM per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Profondità di sagoma "P" Max 10 mm
Bore "d" from 30 to 50 mm • Designed with straight or shear cutting angles according to the profile HM for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued. • Max depth of profile "P" = 10 mm.

HW-HS**Z=4****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code	Codice Code	D D	B B	Cod. Prezzo Price Code	Codice Code	D D	B B	Cod. Prezzo Price Code
1035.100.010	100	10	F19	1035.140.010	140	10	D20	1035.180.010	180	10	E21
1035.100.020	100	20	D20	1035.140.020	140	20	B21	1035.180.020	180	20	H22
1035.100.030	100	30	E21	1035.140.030	140	30	C22	1035.180.030	180	30	L23
1035.100.040	100	40	E22	1035.140.040	140	40	B23	1035.180.040	180	40	H24
1035.100.050	100	50	E23	1035.140.050	140	50	A24	1035.180.050	180	50	H25
1035.100.060	100	60	C24	1035.140.060	140	60	H24	1035.180.060	180	60	G26
1035.100.070	100	70	A25	1035.140.070	140	70	F25	1035.180.070	180	70	A28
1035.100.080	100	80	F25	1035.140.080	140	80	B26	1035.180.080	180	80	D28
1035.100.090	100	90	B26	1035.140.090	140	90	G26	1035.180.090	180	90	G28
1035.100.100	100	100	G26	1035.140.100	140	100	B27	1035.180.100	180	100	L28
1035.120.010	120	10	M19	1035.160.010	160	10	G20	1035.200.010	200	10	E22
1035.120.020	120	20	H20	1035.160.020	160	20	E21	1035.200.020	200	20	F23
1035.120.030	120	30	L21	1035.160.030	160	30	G22	1035.200.030	200	30	F24
1035.120.040	120	40	L22	1035.160.040	160	40	M23	1035.200.040	200	40	F25
1035.120.050	120	50	L23	1035.160.050	160	50	B25	1035.200.050	200	50	F26
1035.120.060	120	60	F24	1035.160.060	160	60	A26	1035.200.060	200	60	G27
1035.120.070	120	70	D25	1035.160.070	160	70	L26	1035.200.070	200	70	M28
1035.120.080	120	80	L25	1035.160.080	160	80	C27	1035.200.080	200	80	A30
1035.120.090	120	90	D26	1035.160.090	160	90	F27	1035.200.090	200	90	F30
1035.120.100	120	100	M26	1035.160.100	160	100	L27	1035.200.100	200	100	M30

FRESE Z=3 sconto 10% art. 1030/Cutters Z=3 discount 10% art. 1030

FRESE Z=6 aumento 20% art. 1040/Cutters Z=6 increase 20% art. 1040



1055

FRESA SAGOMATA PROFILO SPECIALE PROFILE CUTTERS FOR SPECIAL PROFILES



APPLICAZIONE/APPLICATION:

Per realizzare profili sagomati su disegno
For cutting profiles made on customer specifications.

MACCHINA/MACHINE:

Toupie, scorniciatrici, profilatrici etc.
Spindle moulders, moulders, double-end tenoner, etc.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

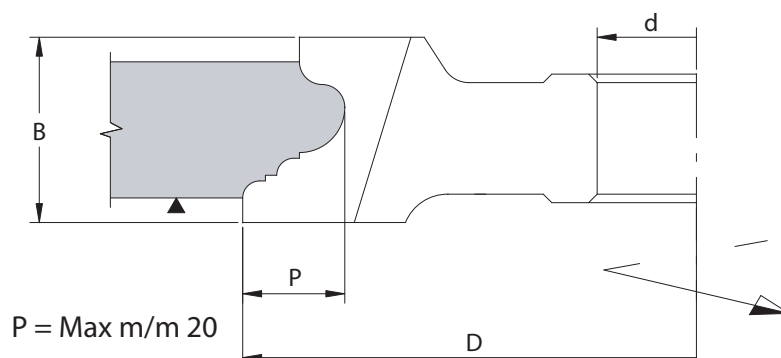
Foro "d" da 30 a 50 mm - Con taglienti diritti o assialmente inclinati in base ai profili richiesto HM per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Profondità di sagoma "P" Max 20 mm
Bore "d" from 30 to 50 mm • Designed with straight or shear cutting angles according to the profile HM for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued. • Max depth of profile "P" = 20 mm.

HW-HS**Z=4****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed

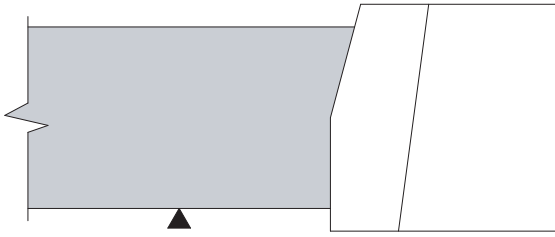
Codice Code	D D	B B	Cod. Prezzo Price Code	Codice Code	D D	B B	Cod. Prezzo Price Code	Codice Code	D D	B B	Cod. Prezzo Price Code
1055.100.010	100	10	A21	1055.140.010	140	10	H21	1055.180.010	180	10	L22
1055.100.020	100	20	L21	1055.140.020	140	20	F22	1055.180.020	180	20	A24
1055.100.030	100	30	B24	1055.140.030	140	30	G24	1055.180.030	180	30	L25
1055.100.040	100	40	L24	1055.140.040	140	40	D25	1055.180.040	180	40	H26
1055.100.050	100	50	F25	1055.140.050	140	50	B26	1055.180.050	180	50	H27
1055.100.060	100	60	D26	1055.140.060	140	60	L26	1055.180.060	180	60	H28
1055.100.070	100	70	B27	1055.140.070	140	70	G27	1055.180.070	180	70	B30
1055.100.080	100	80	G27	1055.140.080	140	80	B28	1055.180.080	180	80	D30
1055.100.090	100	90	E28	1055.140.090	140	90	M28	1055.180.090	180	90	G30
1055.100.100	100	100	B29	1055.140.100	140	100	G29	1055.180.100	180	100	M30
1055.120.010	120	10	D21	1055.160.010	160	10	A22	1055.200.010	200	10	L23
1055.120.020	120	20	B22	1055.160.020	160	20	M22	1055.200.020	200	20	G24
1055.120.030	120	30	E24	1055.160.030	160	30	A25	1055.200.030	200	30	F26
1055.120.040	120	40	B25	1055.160.040	160	40	A26	1055.200.040	200	40	F27
1055.120.050	120	50	L25	1055.160.050	160	50	B27	1055.200.050	200	50	G28
1055.120.060	120	60	F26	1055.160.060	160	60	B28	1055.200.060	200	60	H29
1055.120.070	120	70	E27	1055.160.070	160	70	L28	1055.200.070	200	70	M30
1055.120.080	120	80	M27	1055.160.080	160	80	C29	1055.200.080	200	80	H31
1055.120.090	120	90	G28	1055.160.090	160	90	L29	1055.200.090	200	90	A32
1055.120.100	120	100	D29	1055.160.100	160	100	C30	1055.200.100	200	100	E32

FRESE Z=3 sconto 10% art. 1050/Cutters Z=3 discount 10% art. 1050

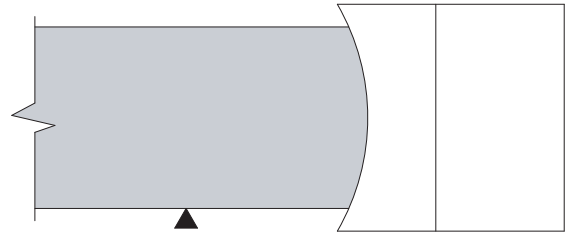
FRESE Z=6 aumento 20% art. 1060/Cutters Z=6 increase 20% art. 1060



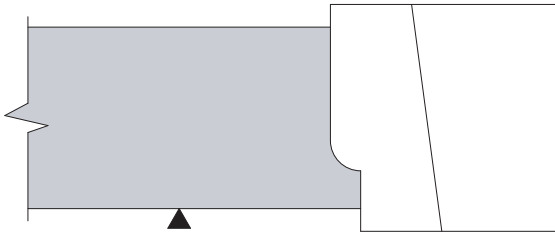
PROFILO SEMPLICE
SIMPLE PROFILE



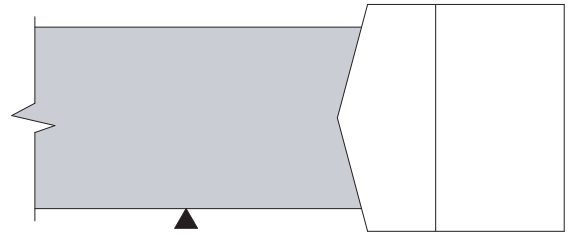
profilo n.1



profilo n.2

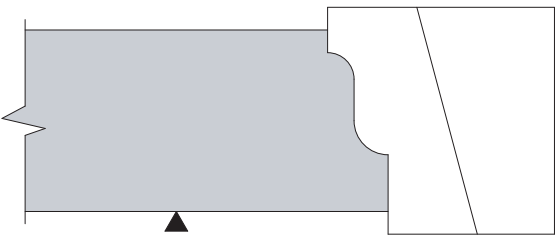


profilo n.3

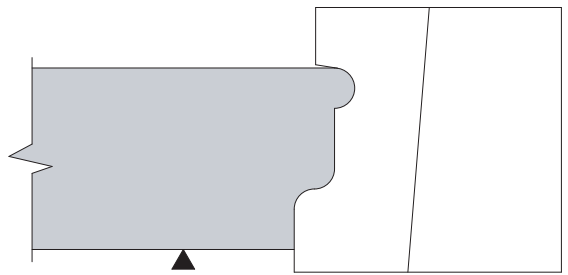


profilo n.4

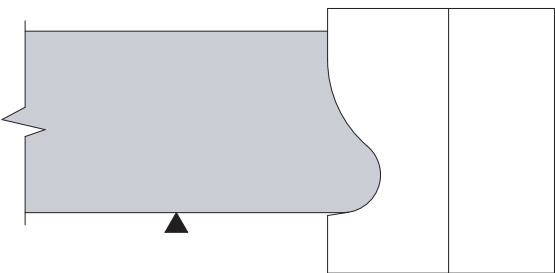
PROFILO COMPLESSO
COMPLEX PROFILE



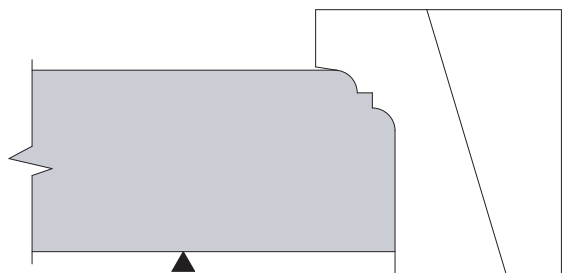
profilo n.5



profilo n.6

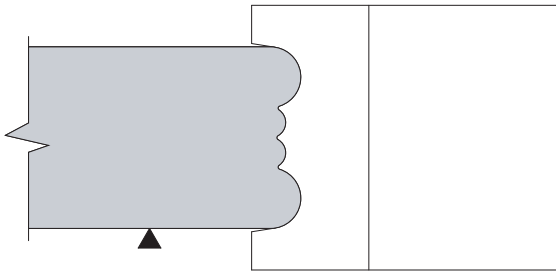


profilo n.7

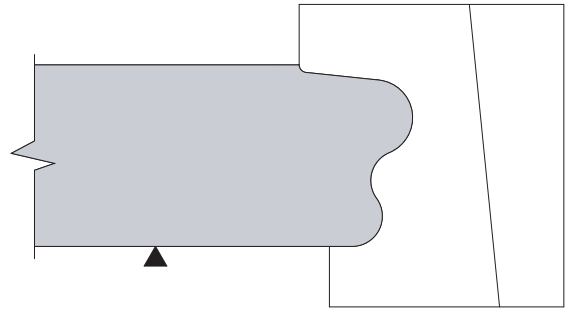


profilo n.8

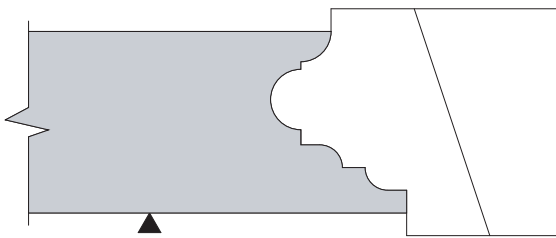
PROFILO SPECIALE
SPECIAL PROFILE



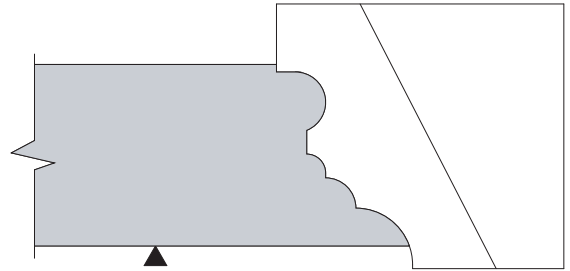
profilo n.1



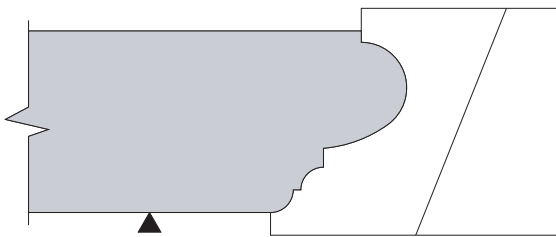
profilo n.2



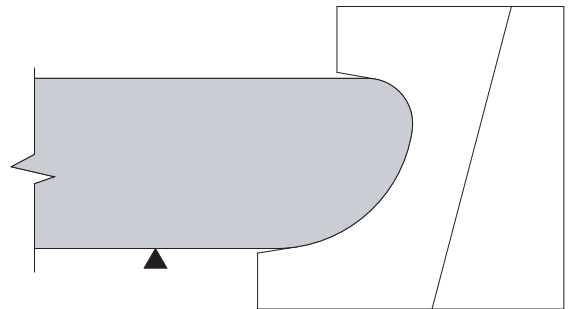
profilo n.3



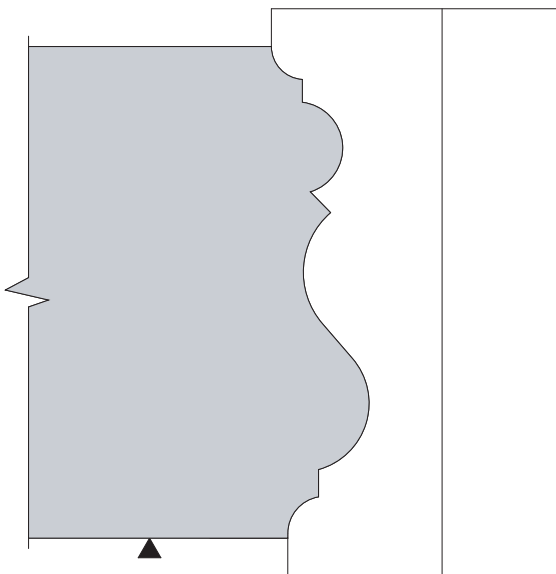
profilo n.4



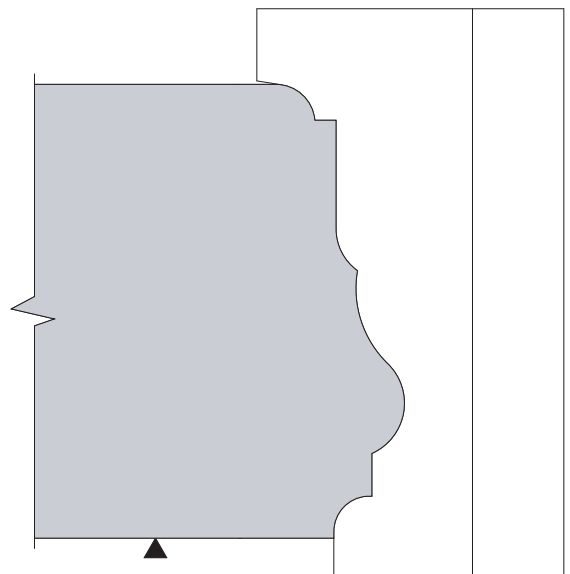
profilo n.5



profilo n.6



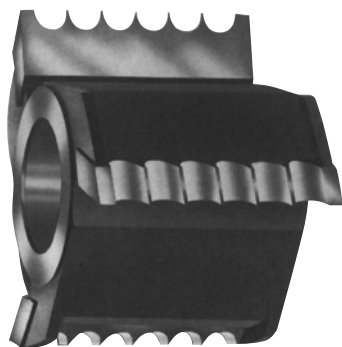
profilo n.7



profilo n.8

1090

FRESA SAGOMATA PER BASTONCINI LISCI SMOOTH DOWELS PROFILE CUTTER



APPLICAZIONE/APPLICATION:

Per la realizzazione contemporanea di più bastoncini lisci
For cutting smooth dowels.

MACCHINA/MACHINE:

Scorniatrici/Moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Impiego a coppie • Nr. giri ottimale fino ad un avanzamento di 15 mt./min. - $n=6.000 \text{ min}^{-1}$

• Codice fresa = ART. + D + B • Esempio: fresa D. 120 per realizzare 6 bastoncini d. 8 zigrinati - Codice 1095.120.061

Use in pairs • Optimal RPM $n=6.000 \text{ min}^{-1}$ up to a feed rate of 15 m min^{-1}

• Cutter code = ART. + D + B • Example = Cutter D. 120 to obtain 6 serrated dowels d.8
Code = 1095.120.061

HW **Z=3** **MEC** Avanzamento meccanico
Mechanical feed



Diam. bastoncino/Dowel diam.	DB	6	8	10	12	14	16	18	20
Dentello/Spl. point	S	1	1	1	1,5	1,5	1,5	1,5	2
Passo/Pitch	T	7	9	11	13,5	15,5	17,5	19,5	22
Ras. esterno/Square end	P	4	4	5	5	5	5	5	7
Diam. fresa/Cutter diameter	D	120	120	120	120	120	140	140	140

2	Spess. fresa/Thickness	B	21	25	31	33	40	44	48	56
	Cod. prezzo/Price code		D24	L24	B25	G25	M25	M26	E27	F28

3	Spess. fresa/Thickness	B	28	34	42	49	55	61	67	78
	Cod. prezzo/Price code		B25	G25	D26	C27	G27	B29	B30	L30

4	Spess. fresa/Thickness	B	35	43	53	63	71	79	87	100
	Cod. prezzo/Price code		C26	M26	F27	L28	M29	A31	M31	L32

5	Spess. fresa/Thickness	B	42	52	64	76	86	96	106	122
	Cod. prezzo/Price code		A27	A28	D29	F30	A31	E32	G33	E34

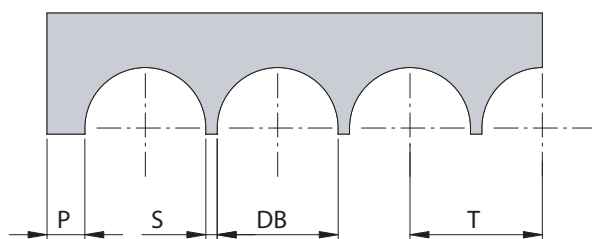
6	Spess. fresa/Thickness	B	49	61	75	90	102	114	126	144
	Cod. prezzo/Price code		G27	D29	D30	F31	D32	L33	F34	C35

7	Spess. fresa/Thickness	B	56	70	86	103	117	131	145
	Cod. prezzo/Price code		D29	F30	D31	G32	L33	F34	C35

8	Spess. fresa/Thickness	B	63	79	97	117	133	149
	Cod. prezzo/Price code		M29	A31	B32	B33	C34	F35

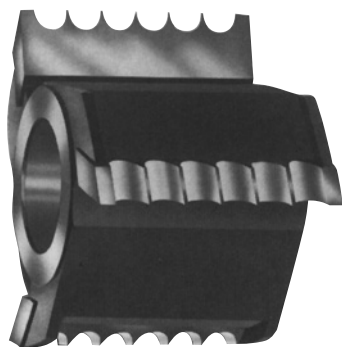
9	Spess. fresa/Thickness	B	70	88	108
	Cod. prezzo/Price code		F30	E31	G32

10	Spess. fresa/Thickness	B	77	97	119
	Cod. prezzo/Price code		D31	D32	G33



1095

FRESA SAGOMATA PER BASTONCINI ZIGRINATI SERRATED DOWELS PROFILE CUTTER



APPLICAZIONE/APPLICATION:

Per la realizzazione contemporanea di più bastoncini zigrinati
For cutting serrated dowels.

MACCHINA/MACHINE:

Scorniatrici./Moulders

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Impiego a coppie • Nr. giri ottimale fino ad un avanzamento di 15 mt./min. $n = 6.000 \text{ min}^{-1}$

• Codice fresa = ART. + D + B

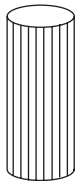
• Esempio: fresa D. 120 per realizzare 6 bastoncini d. 8 zigrinati - Codice 1095.120.061

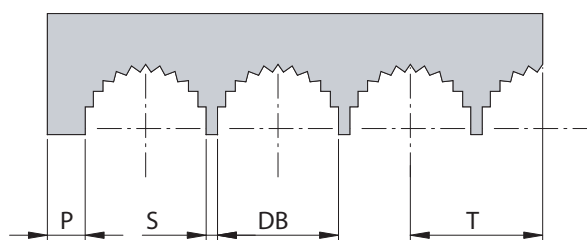
Use in pairs • Optimal RPM $n = 6.000 \text{ min}^{-1}$ up to a feed rate of 15 m min^{-1}

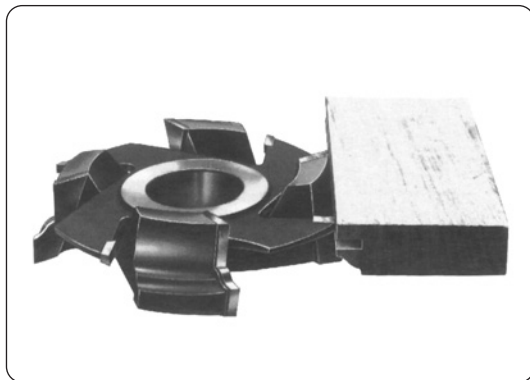
• Cutter code = ART. + D + B

• Example = Cutter D. 120 to obtain 6 serrated dowels d.8 - Code = 1095.120.061

HW **Z=3** **MEC** Avanzamento meccanico
Mechanical feed

	Diam. bastoncino/Dowel diam.	DB	6	8	10	12	14	16	18	20
	Dentello/Spl. point	S	1	1	1	1,5	1,5	1,5	1,5	2
	Passo/Pitch	T	7	9	11	13,5	15,5	17,5	19,5	22
	Ras. esterno/Square end	P	4	4	5	5	5	5	5	7
	Diam. fresa/Cutter diameter	D	120	120	120	120	120	140	140	140
2	Spess. fresa/Thickness	B	21	25	31	33	40	44	48	56
	Cod. prezzo/Price code		G26	D27	H27	G28	A29	C30	M30	H31
3	Spess. fresa/Thickness	B	28	34	42	49	55	61	67	78
	Cod. prezzo/Price code		H27	G28	F29	H30	B31	D32	B33	L33
4	Spess. fresa/Thickness	B	35	43	53	63	71	79	87	100
	Cod. prezzo/Price code		E29	C30	B31	A32	A33	A34	L34	F35
5	Spess. fresa/Thickness	B	42	52	64	76	86	96	106	122
	Cod. prezzo/Price code		E30	C31	F32	F33	A34	C35	C36	M36
6	Spess. fresa/Thickness	B	49	61	75	90	102	114	126	144
	Cod. prezzo/Price code		B31	F32	D33	F34	B35	C36	M36	G37
7	Spess. fresa/Thickness	B	56	70	86	103	117	131	145	
	Cod. prezzo/Price code		F32	F33	C34	E35	C36	M36	G37	
8	Spess. fresa/Thickness	B	63	79	97	117	133	149		
	Cod. prezzo/Price code		A33	A34	M34	L35	G36	M37		
9	Spess. fresa/Thickness	B	70	88	108					
	Cod. prezzo/Price code		G33	D34	E35					
10	Spess. fresa/Thickness	B	77	97	119					
	Cod. prezzo/Price code		C34	B35	C36					





HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Gruppo di 2 frese per la profilatura di antine per mobili
Set of 2 cutters for profiling of kitchen doors.

MACCHINA/MACHINE:

Scorniatrici/Moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con tagli assialmente inclinati per ottima finitura del pezzo • Regolazione con anelli per lavorazione di diversi spessori di legno • Fresa per canali a spessore regolabile con anelli. Esecuzione con profilo sagomato per smussare il canale.

Designed with shear cutting angle for very good finishing on the wood

- Adjustable with spacers to work different thickness of wood
- Grooving cutter adjustable by rings and profiled for bevelled groove.

D. 140 - n. 5.200-9.000 min⁻¹

D. 160 - n. 4.800-8.200 min⁻¹

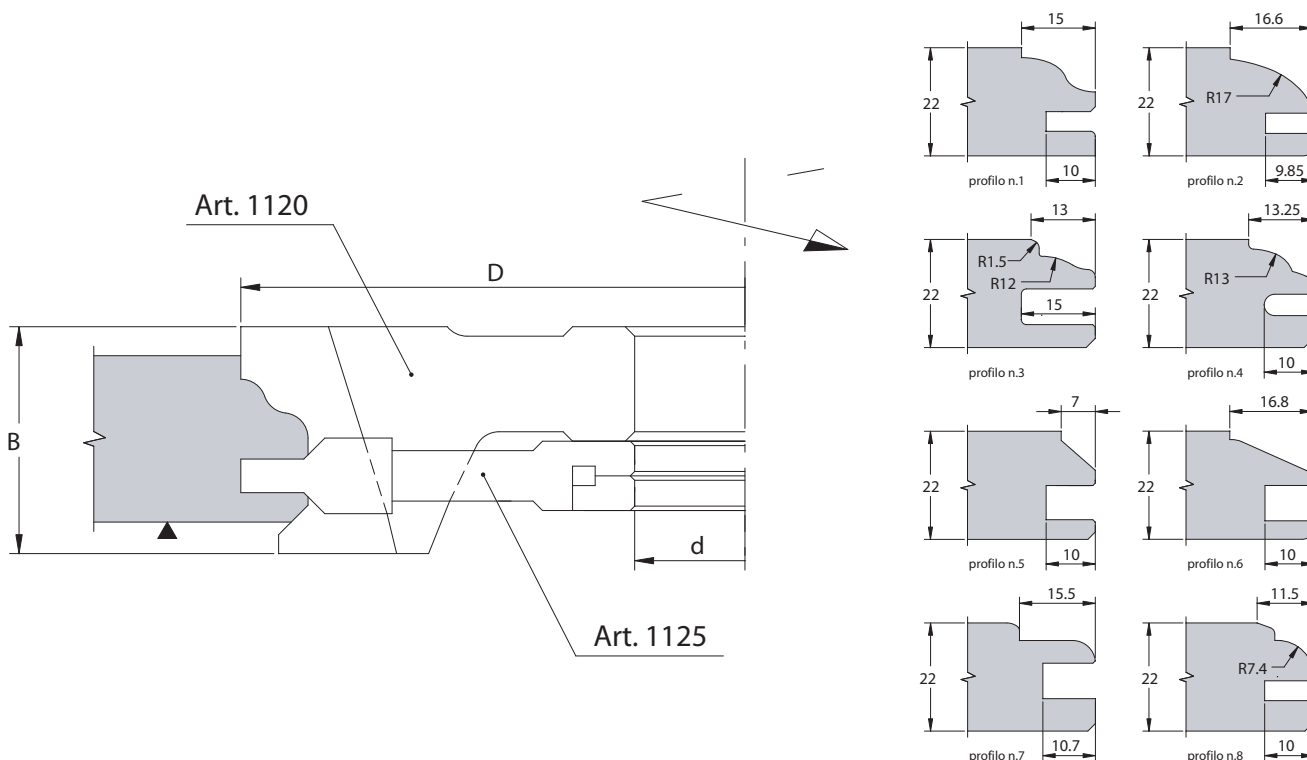
Art. 1120 - FRESA SAGOMATA/PROFILE CUTTER

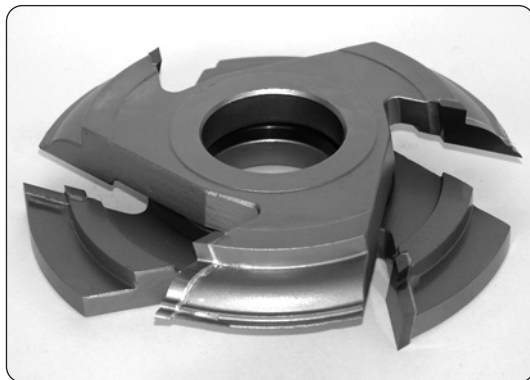
Codice Code	D D	B B	Cod. Prezzo Price Code
1120.140.030	140	30	A23
1120.140.035	140	35	F23
1120.140.040	140	40	M23
1120.160.030	160	30	F23
1120.160.035	160	35	C24
1120.160.040	160	40	F24

Art. 1125 - FRESA CANALE REGOLABILE/GROOVING CUTTER

Codice Code	D D	B B	Cod. Prezzo Price Code
1125.120.004	120	4÷7,5	D21
1125.140.004	140	4÷7,5	C22
1125.160.004	160	4÷7,5	H23

ESEMPI DI PROFILI / PROFIL SAMPLE





APPLICAZIONE/APPLICATION:

Gruppo di 2 frese per la profilatura di antine per mobili
Set of 2 cutters for profiling of kitchen doors.

MACCHINA/MACHINE:

Toupie e squadratrici automatiche
Spindle shapers and automatic double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con tagli assialmente inclinati per ottima finitura del pezzo
• Regolazione con anelli per lavorazione di diversi spessori di legno.
Designed with shear cutting angle for very good finishing on the wood
• Adjustable with spacers to work different thickness of wood.

D. 140 - n. 5.500-9.400 min⁻¹
D. 180 - n. 4.800-8.200 min⁻¹

D. 160 - n. 5.200-8.800 min⁻¹
D. 200 - n. 4.500-7.700 min⁻¹

HW

MAN

Avanzamento manuale
Manual feed

Z=4

MEC

Avanzamento meccanico
Mechanical feed

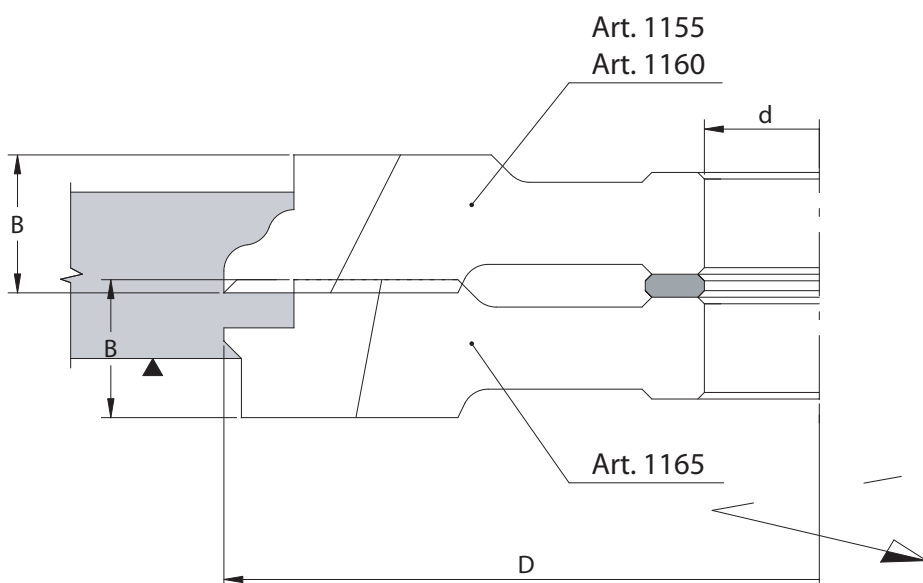
Codice Code	D D	B B	Cod. Prezzo Price Code
1155.140.020	140	20	M21
1155.160.020	160	20	D22
1155.180.020	180	20	H23
1155.200.020	200	20	F24

Z=4+2

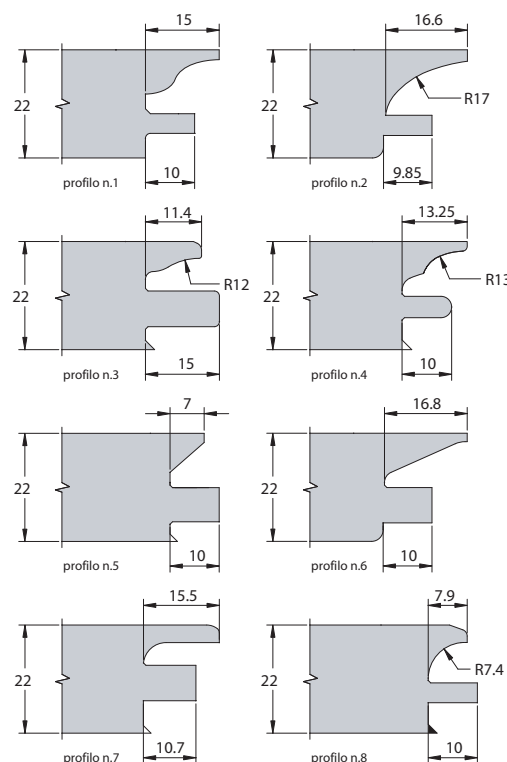
Codice Code	D D	B B	Cod. Prezzo Price Code
1160.140.020	140	20	G24
1160.160.020	160	20	M24
1160.180.020	180	20	L25
1160.200.020	200	20	M26

Z=4

Codice Code	D D	B B	Cod. Prezzo Price Code
1165.140.020	140	20	M21
1165.160.020	160	20	D22
1165.180.020	180	20	H23
1165.200.020	200	20	F24

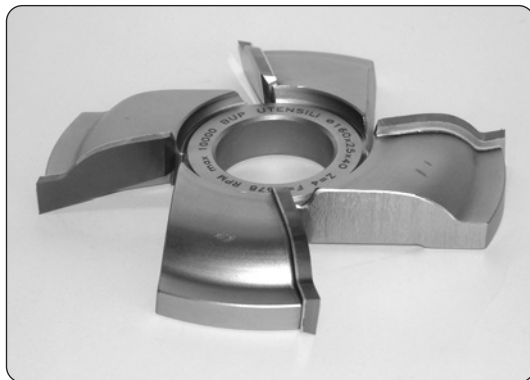


ESEMPI PROFILI / PROFILE SAMPLE



1190

FRESE SAGOMATE PER PIATTABANDE RAISED PANEL PROFILE CUTTERS



HW-HS

Z=4

MAN

Avanzamento manuale
Manual feed

MEC

Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Fresa sagomata per la profilatura di pannelli per antine in legno
For profiling of kitchen doors panel.

MACCHINA/MACHINE:

Toupie e squadratrici automatiche
Spindle shapers and automatic double-end tenoners.

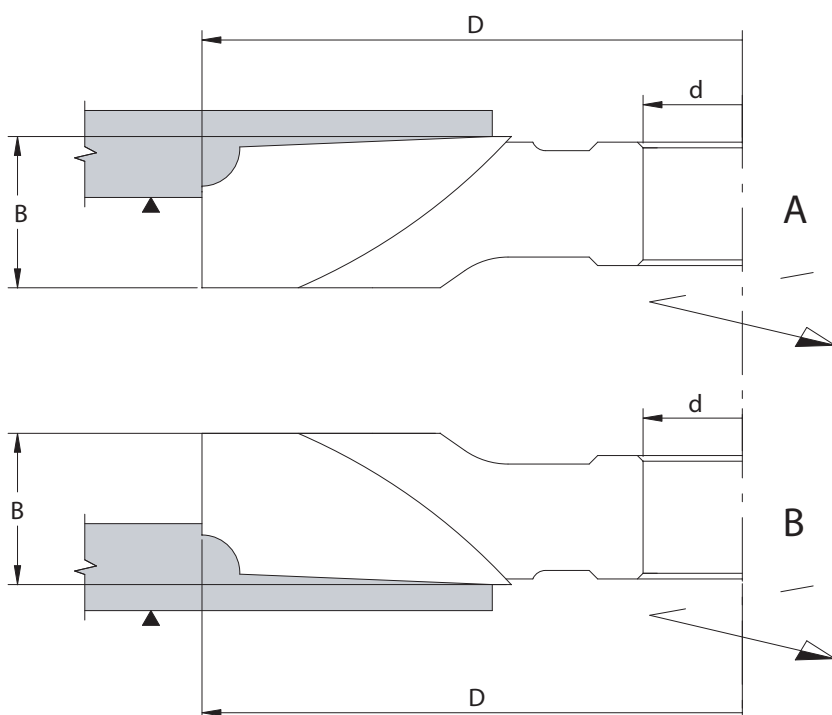
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con tagli assialmente inclinati per ottima finitura del pezzo • Regolazione con anelli per lavorazione di diversi spessori di legno • HW per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Nelle indicazioni indicare sempre sempre il senso di rotazione Dis. A /legno sopra - Dis. B /legno sotto.
Designed with shear cutting angle for very good finishing on the wood • Adjustable with spacers to work different thickness of wood • HW for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued • With the orders please indicate rotation Drawing A/ wood face down - Drawing B/ wood face up.

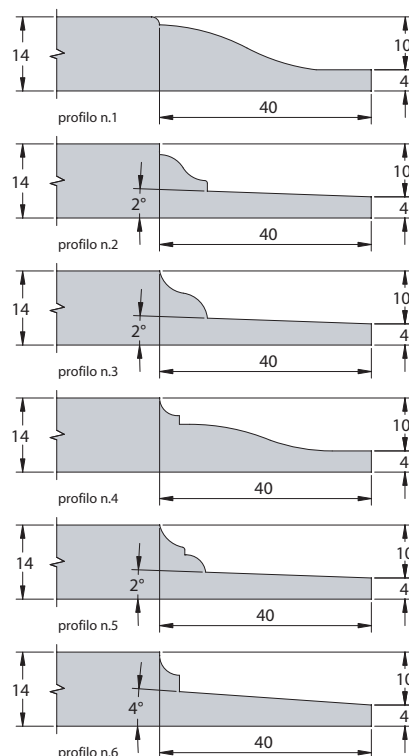
D. 160 - n. 5.200-8.800 min⁻¹
D. 200 - n. 4.300-7.500 min⁻¹

D. 180 - n. 4.700-8.100 min⁻¹
D. 250 - n. 3.800-7.100 min⁻¹

Codice Code	D D	B B	Cod. Prezzo Price Code
1190.160.020	160	20	H22
1190.160.025	160	25	H23
1190.180.020	180	20	C23
1190.180.025	180	25	M23
1190.180.030	180	30	G24
1190.200.020	200	20	H23
1190.200.025	200	25	D24
1190.200.030	200	30	A25
1190.250.020	250	20	A25
1190.250.025	250	25	H25
1190.250.030	250	30	F26



ESEMPI PROFILI / PROFILE SAMPLE



1195

GRUPPO 7 FRESE MULTIPROFILO PER ANTINE SET OF 7 MULTIPROFILE CUTTERS FOR DOORS



APPLICAZIONE/APPLICATION:

Gruppo di 7 frese sagomate per antine. Con la diversa combinazione delle frese si ottengono profilo, controprofilo e piattabanda

Set of 7 multiprofile cutters we can have profile, counterprofile and raised panel.

MACCHINA/MACHINE:

Toupie/Spindle shaper.

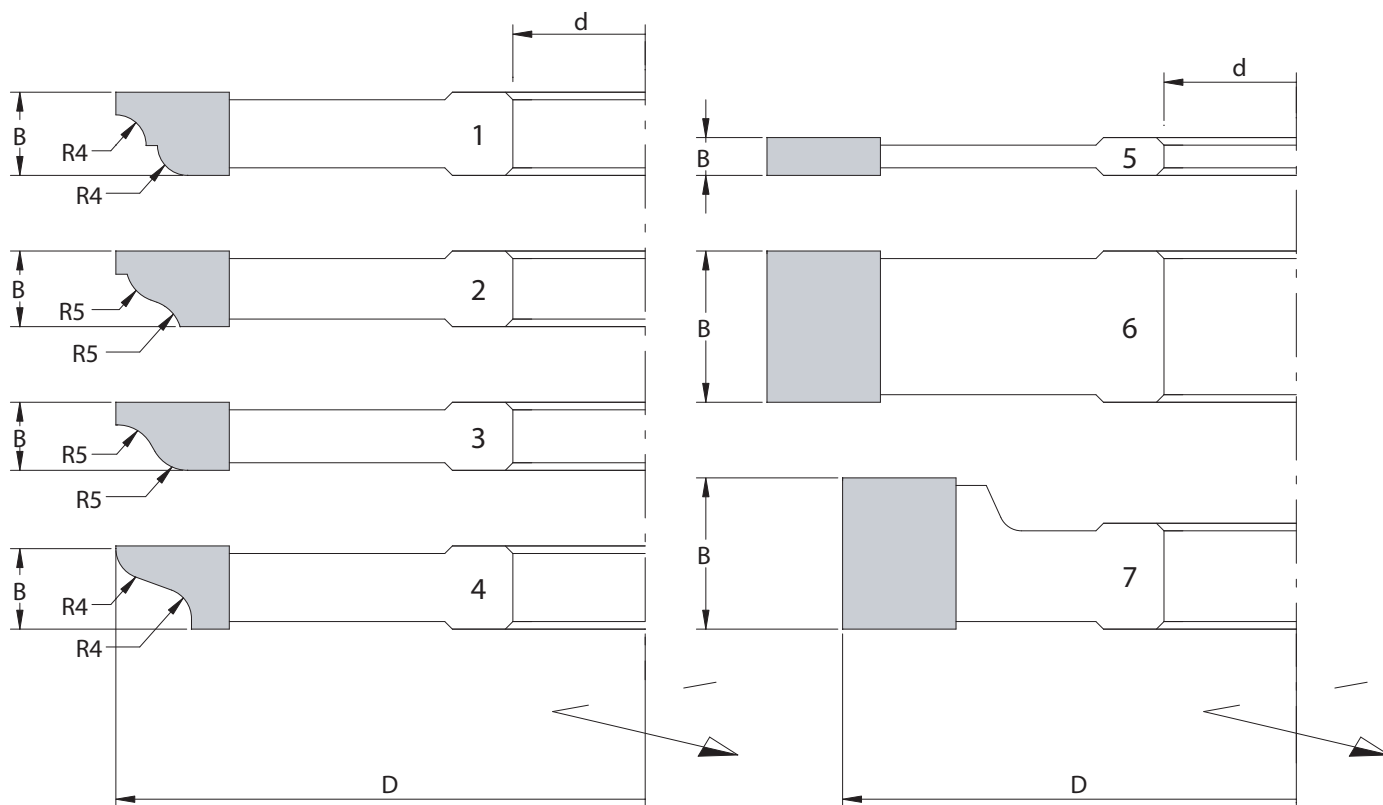
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 2 taglienti diritti e limitatore di truciolo • Foro "d" 30 e 35 mm.
Designed with 2 straight cuts and chip limiter • Bore "d" 30 or 35 mm.

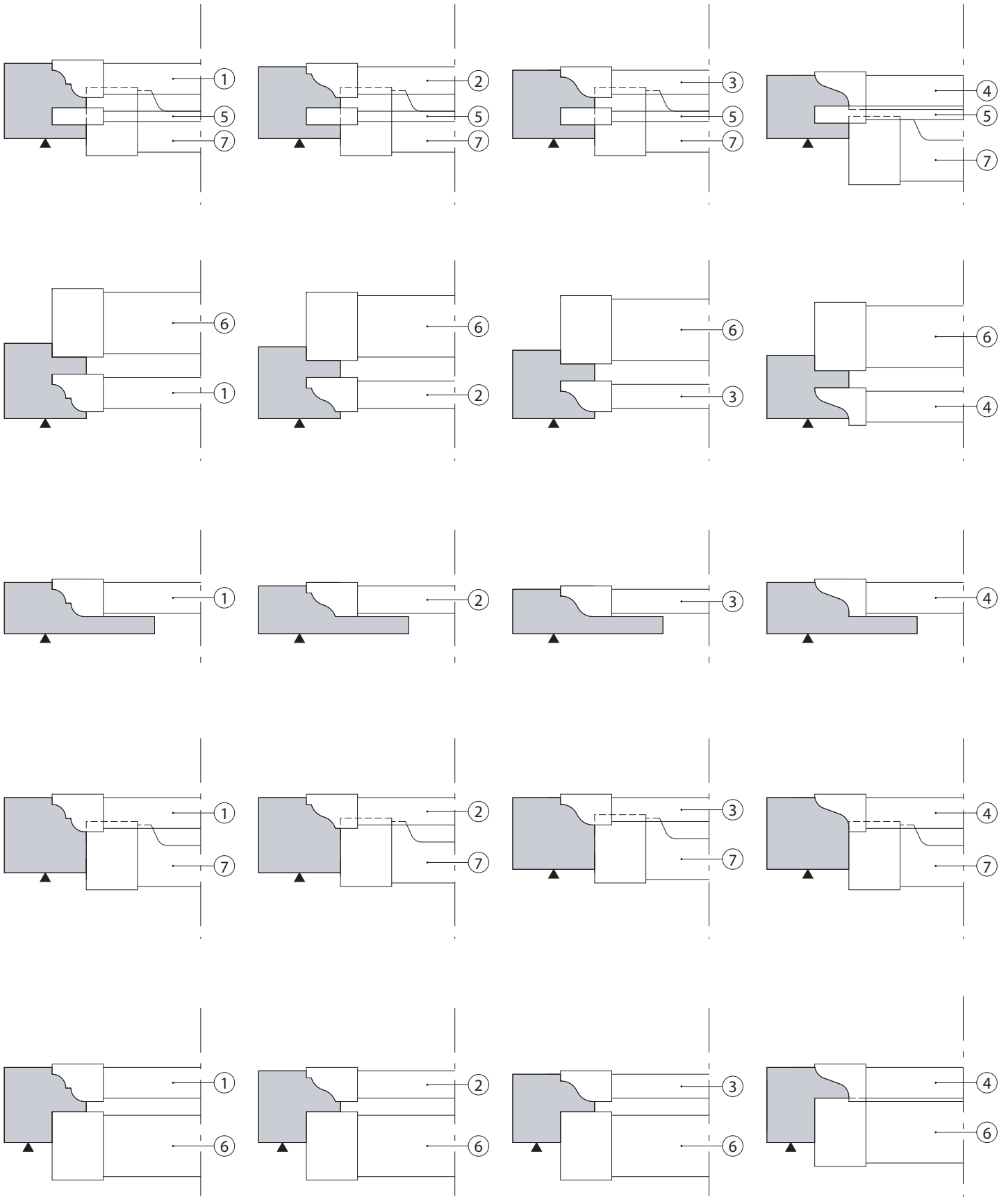
n. 5.500-9.500 min⁻¹

HW **Z=2+LT** **MAN** Avanzamento manuale
Manual feed

Codice Code	fresa cutter	D D	B B	Cod. Prezzo Price Code
	1	140	11	
	2	140	10	
	3	140	9	
	4	140	11	
	5	140	5	
	6	140	20	
	7	120	20	
1195.000.000	GRUPPO COMPLETO - COMPLETE SET			G35

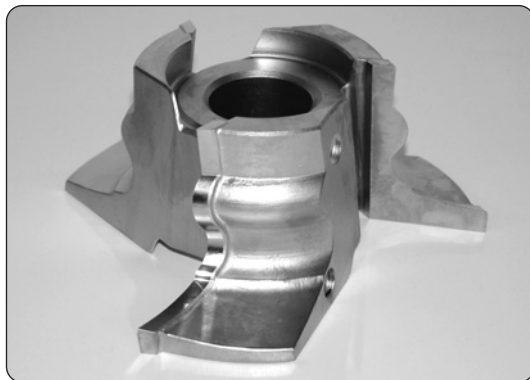


ESEMPI DI PROFILI EXAMPLES OF PROFILES



1245

FRESE PER CORRIMANO PROFILE CUTTERS FOR HANDRAIL



APPLICAZIONE/APPLICATION:

Fresa sagomata per l'esecuzione di corrimano
For profiling of handrails.

MACCHINA/MACHINE:

Toupie e scorniciatrici
Spindle shapers, moulders.

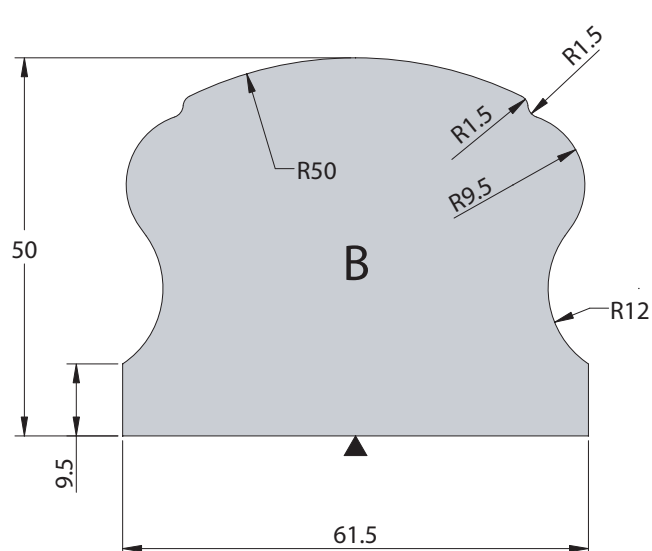
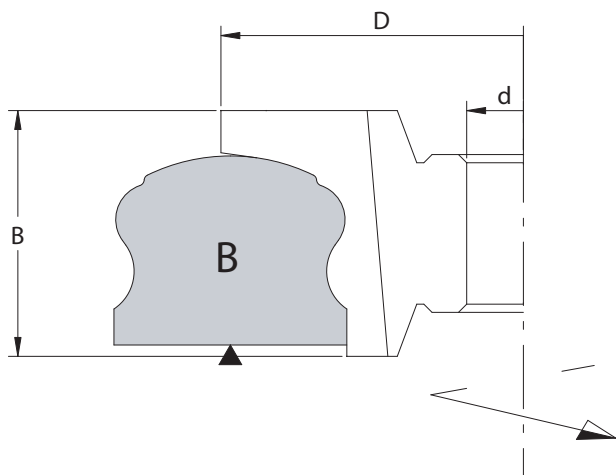
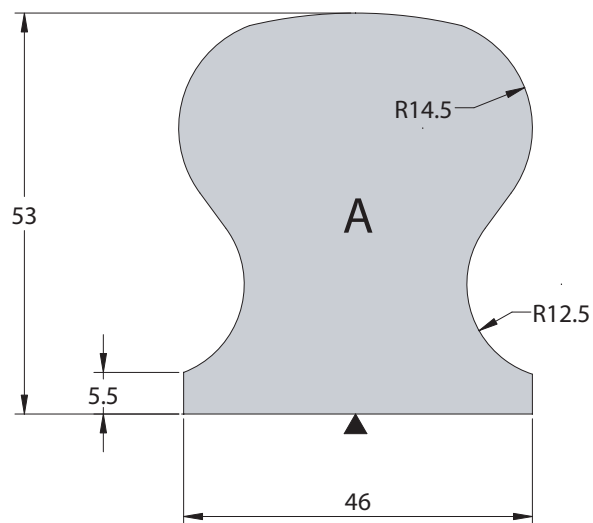
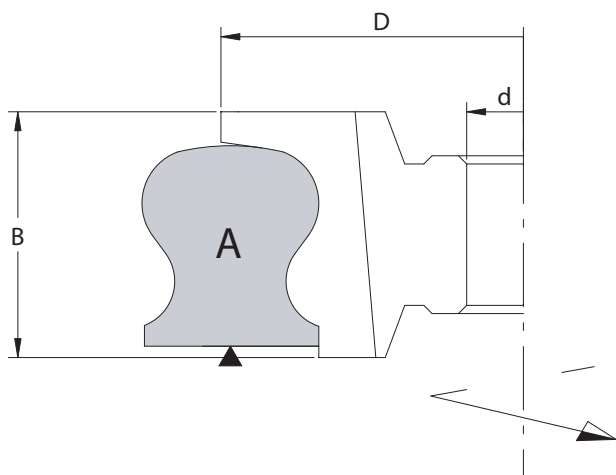
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 2 taglienti paralleli all'asse • Foro "d" da 30 a 50 mm.
Designed with 2 straight cuts • Bore "d" from 30 to 50 mm.

n. 4.000-8.000 min⁻¹

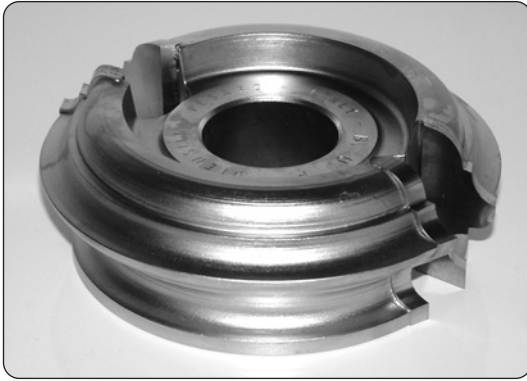
HW **Z=2** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Profilo Profile	Cod. Prezzo Price Code
1245.160.001	160	65	A	L25
1245.160.002	160	65	B	L25



1315 - 1325

FRESE SAGOMATE MULTIPROFILO MULTIPROFILE CUTTERS



APPLICAZIONE/APPLICATION:

Fresa sagomata multiprofilo per cornici, listelli fermavetro e sagomature varie anche in più passaggi/*Multi-purpose cutters for mouldings in one or more working operations.*

MACCHINA/MACHINE:

Toupie e scorniatrici/*Spindle shapers, moulders.*

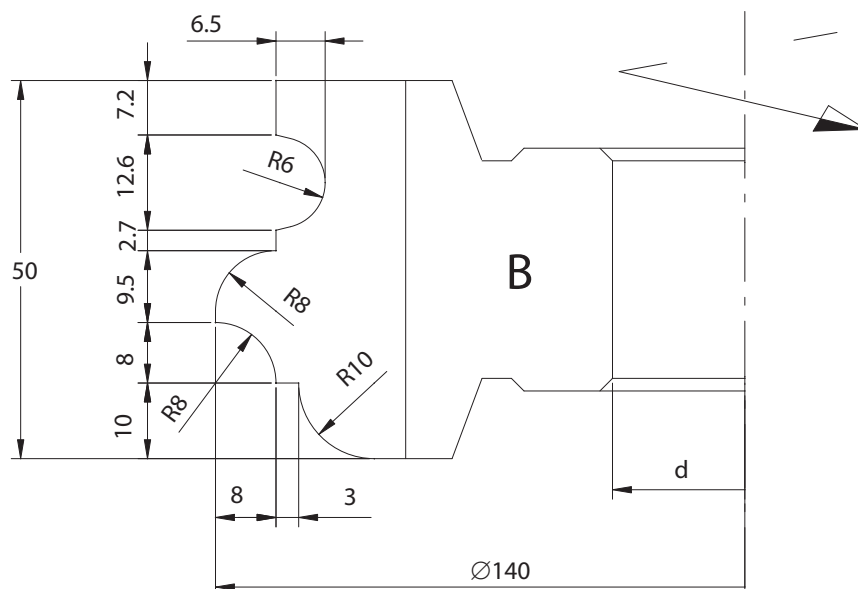
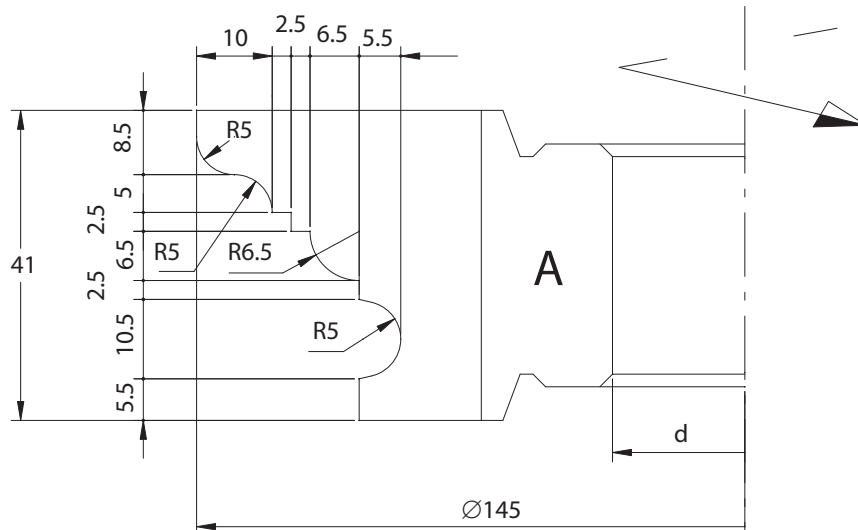
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 2 taglienti paralleli all'asse • Foro "d" da 30 a 40 mm.
Designed with 2 straight cuts • Bore "d" from 30 to 40 mm.

n. 5.000-9.300 min⁻¹

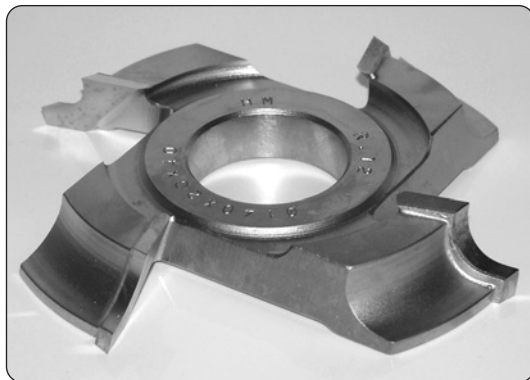
HW **Z=2** **MAN** Avanzamento manuale
Manual feed

Codice Code	D D	B B	Profilo Profile	Cod. Prezzo Price Code
1315.145.041	145	41	A	A23
1325.140.050	140	50	B	D23



1345

FRESE PER QUARTI DI TONDO CUTTER FOR QUARTER ROUND



APPLICAZIONE/APPLICATION:

Fresa sagomata per quarti di tondo/Profile cutter for quarter round.

MACCHINA/MACHINE:

Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglianti assialmente inclinati • Foro "d" da 30 a 50 mm.
Designed with 4 shear cuts • Bore "d" from 30 to 50 mm.

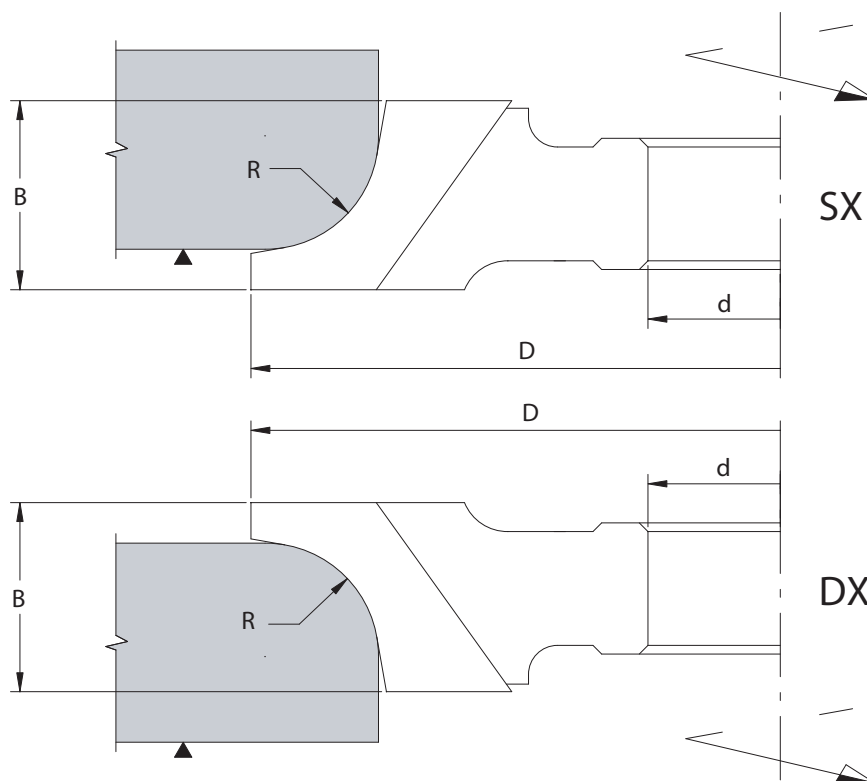
D. 140 - n. 5.500-9.400 min⁻¹

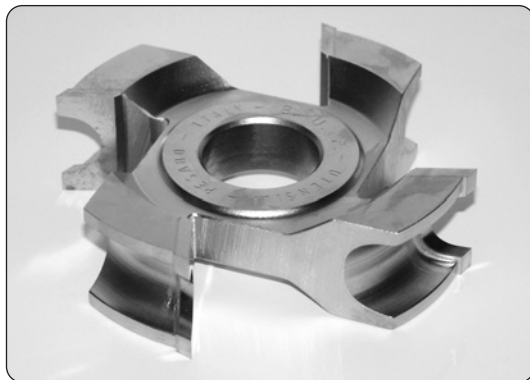
D. 160 - n. 4.800-8.200 min⁻¹

D. 180 - n. 4.500-7.700 min⁻¹

HW **Z=4** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	R R	Cod. Prezzo Price Code
1345.140.015	140	15	5	L19
1345.140.016	140	16	7,5	M19
1345.140.018	140	18	10	A20
1345.140.020	140	20	12,5	F20
1345.140.025	140	25	15	A21
1345.140.030	140	30	20	L21
1345.160.035	160	35	25	A23
1345.160.040	160	40	30	A24
1345.180.045	180	45	35	G26
1345.180.050	180	50	40	C27





APPLICAZIONE/APPLICATION:

Fresa sagomata per esecuzione di mezzi tondi.
Nelle ordinazioni indicare sempre fig.1 o fig.2.
Profile cutter for half rounds.

MACCHINA/MACHINE:

Toupie e scorniciatrici, squadratrici.
Spindle shapers, moulders and double-end tenoners.

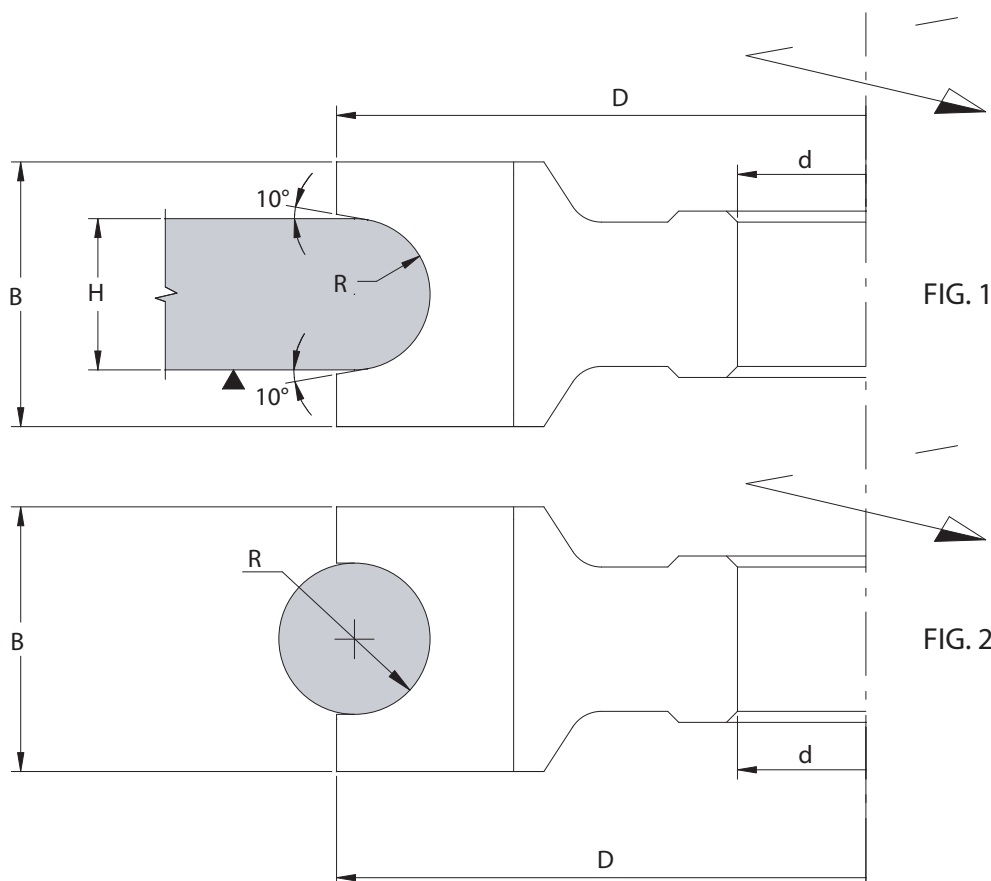
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglienti paralleli all'asse • Foro "d" da 30 a 50 mm.
Designed with 4 straight cuts • Bore "d" from 30 to 50 mm.

R. 5:7,5 n. 5.500-9.400 min⁻¹
R. 10:12,5 n. 4.800-8.200 min⁻¹
R. 15:20 n. 4.500-7.700 min⁻¹

HW **Z=4** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	R R	H H	Cod. Prezzo Price Code
1350.140.020	140	20	5	10	M20
1350.140.022	140	22	6	12	D21
1350.140.025	140	25	7,5	15	G21
1350.140.035	140	35	10	20	G22
1350.140.040	140	40	12,5	25	B23
1350.140.045	140	45	15	30	H23
1350.140.055	140	55	20	40	C26



1375

FRESE PER QUARTI DI TONDO CUTTER FOR QUARTER ROUND



APPLICAZIONE/APPLICATION:

Fresa sagomata per quarti di tondo/Profile cutter for quarter round.

MACCHINA/MACHINE:

Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglianti assialmente inclinati • Foro "d" da 30 a 50 mm.
Designed with 4 shear cuts • Bore "d" from 30 to 50 mm.

D. 140 - n. 5.500-9.400 min⁻¹

D. 160 - n. 4.800-8.200 min⁻¹

D. 180 - n. 4.500-7.700 min⁻¹

HW

Z=4

MAN

Avanzamento manuale
Manual feed

MEC

Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	R R	Cod. Prezzo Price Code
1375.140.010	140	10	5	F19
1375.140.013	140	13	7,5	H19
1375.140.015	140	15	10	M19
1375.140.018	140	18	12,5	A20
1375.140.020	140	20	15	F20
1375.140.025	140	25	20	A21
1375.160.030	160	30	25	D22
1375.160.035	160	35	30	A23
1375.180.040	180	40	35	A26
1375.180.045	180	45	40	G26

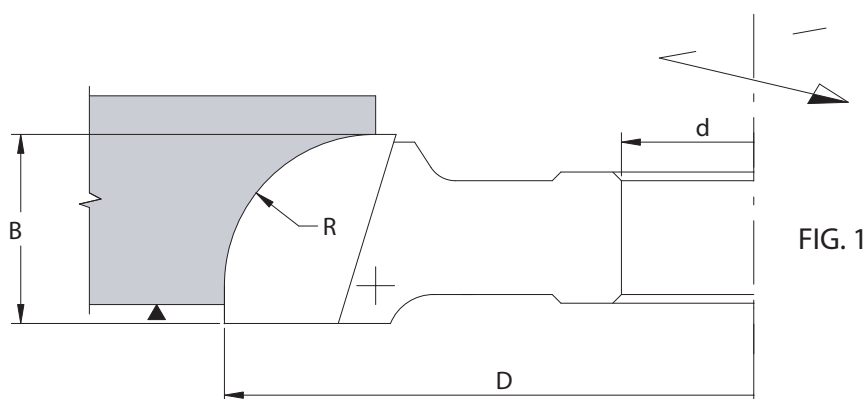


FIG. 1

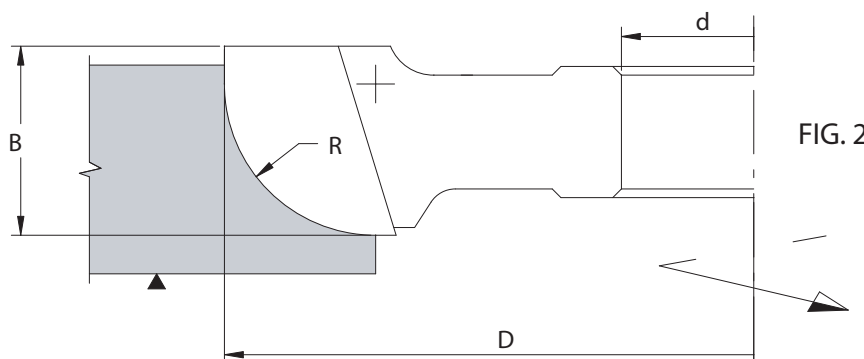
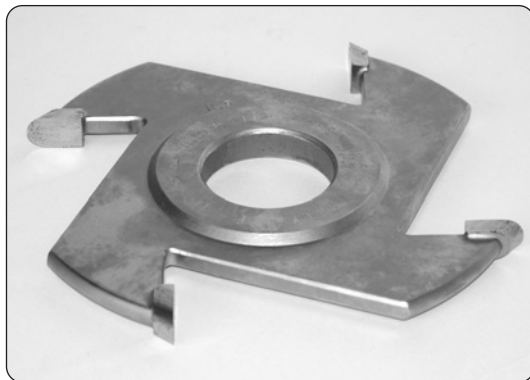


FIG. 2

1380

FRESE PER MEZZI TONDI CUTTER FOR HALF ROUND



APPLICAZIONE/APPLICATION:

Fresa sagomata per esecuzione di mezzi tondi
Profile cutter for half rounds.

MACCHINA/MACHINE:

Toupie e scorniatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglienti paralleli all'asse • Foro "d" da 30 a 50 mm.
Designed with 4 straight cuts • Bore "d" from 30 to 50 mm.

R. 5:7,5 n. 5.500-9.400 min⁻¹

R. 10:12,5 n. 4.800-8.200 min⁻¹

R. 15:20 n. 4.500-7.700 min⁻¹

HW

Z=4

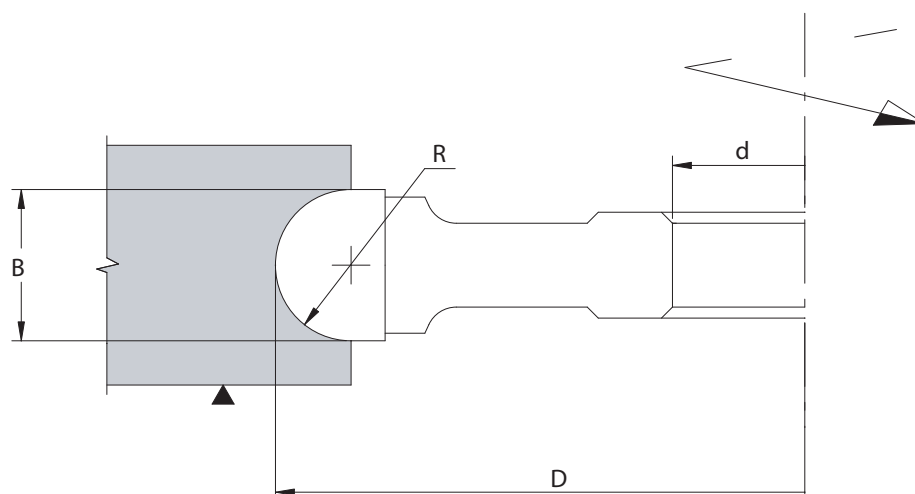
MAN

Avanzamento manuale
Manual feed

MEC

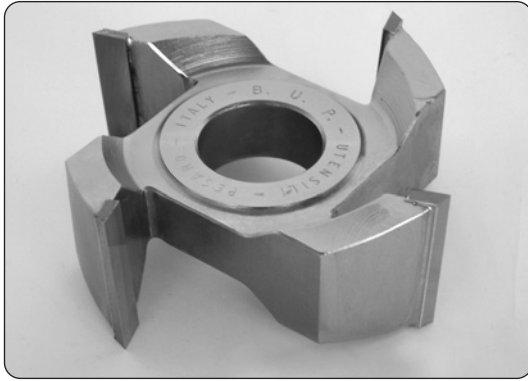
Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	R R	Cod. Prezzo Price Code
1380.140.010	140	10	5	F19
1380.140.012	140	12	6	H19
1380.140.015	140	15	7,5	M19
1380.140.020	140	20	10	F20
1380.140.025	140	25	12,5	A21
1380.140.030	140	30	15	F21
1380.140.040	140	40	20	A23



1460

FRESE PER BATTUTE JOINTING/RABBETING CUTTERS



APPLICAZIONE/APPLICATION:

Fresa per squadrare ed eseguire battute/For jointing and rabbeting.

MACCHINA/MACHINE:

Toupie e scorniatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglienti inclinati ed alternati per ottima finitura

• Foro "d" da 30 a 50 mm.

Designed with 4 alternate shear cuts for good finishing on workpiece

• Bore "d" from 30 to 50 mm.

n. 6.000-9.500 min⁻¹

HW

Z=4

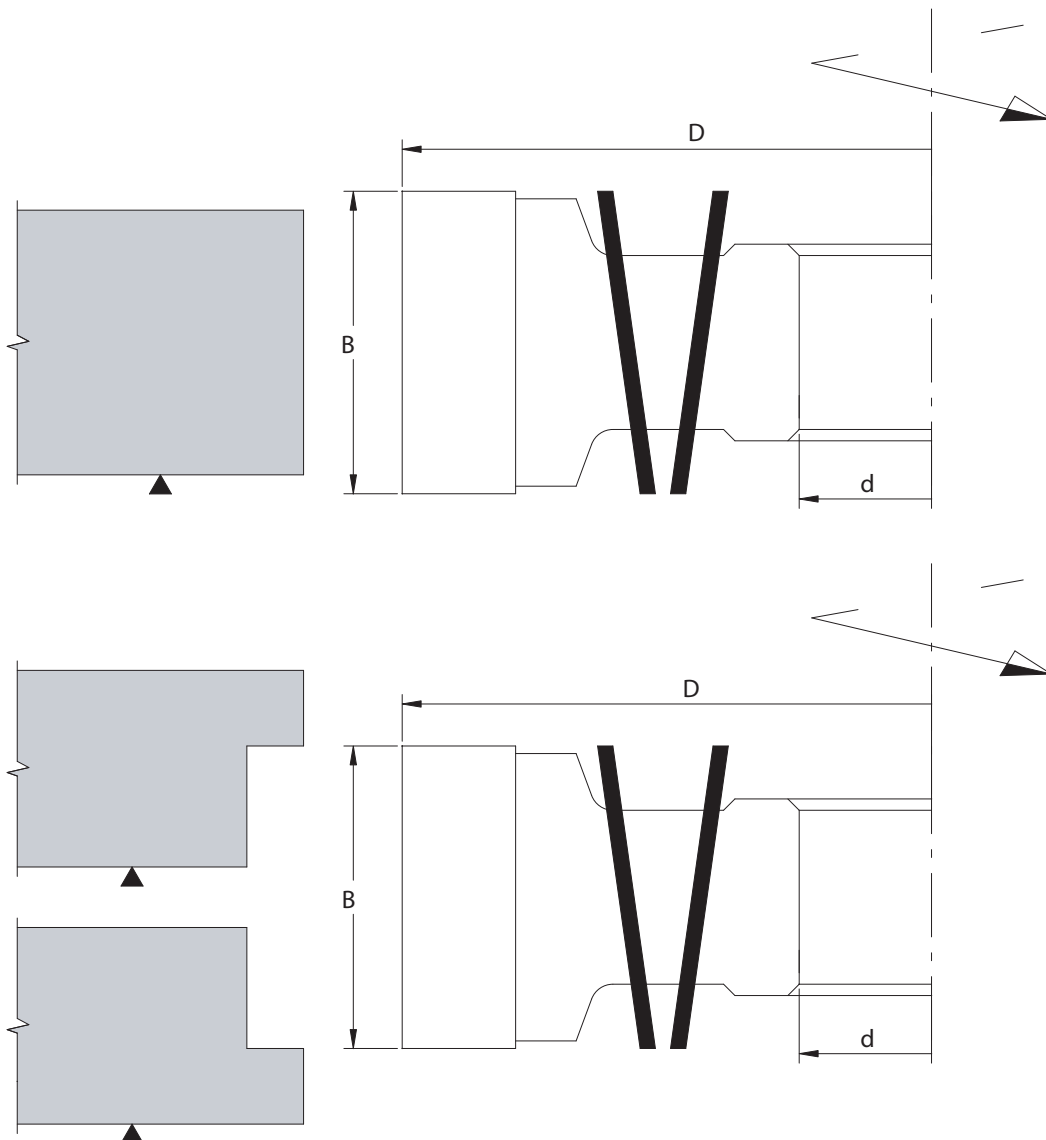
MAN

Avanzamento manuale
Manual feed

MEC

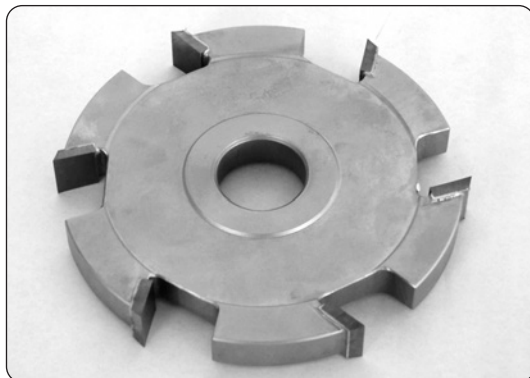
Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code
1460.140.030	140	30	C20
1460.140.040	140	40	L20
1460.140.050	140	50	E21
1460.140.060	140	60	C22
1460.140.080	140	80	H23



1475

FRESE PER CANALI GROOVING CUTTERS



HW **Z=6** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Fresa per esecuzione di canali/For grooving.

MACCHINA/MACHINE:

Toupie e scorniatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 6 taglienti diritti • Foro "d" da 30 a 50 mm

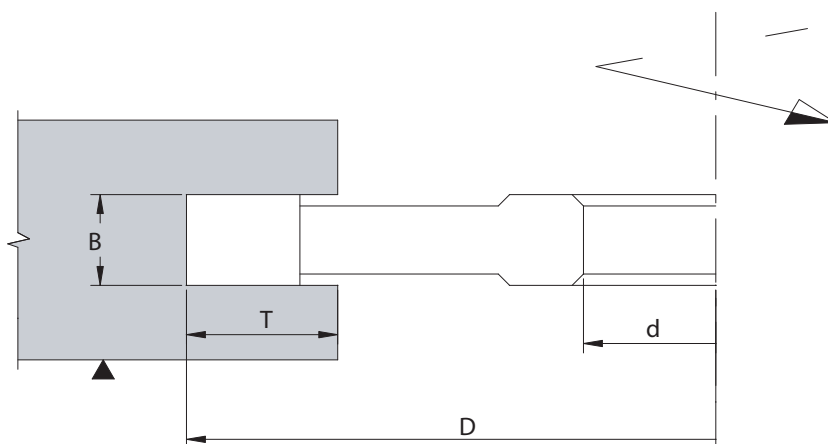
• **Profondità canale "T":** foro "d" 30 - T= max 40 mm, foro "d" 35 - T= max 38 mm,
foro "d" 40 - T= max 35 mm, foro "d" 50 - T= max 32 mm.

Designed with 6 straight cuts • Bore "d" from 30 to 50 mm

• **Depth of groove "T":** bore "d" 30 - T= max 40 mm, bore "d" 35 - T= max 38 mm,
bore "d" 40 - T= max 35 mm, bore "d" 50 - T= max 32 mm.

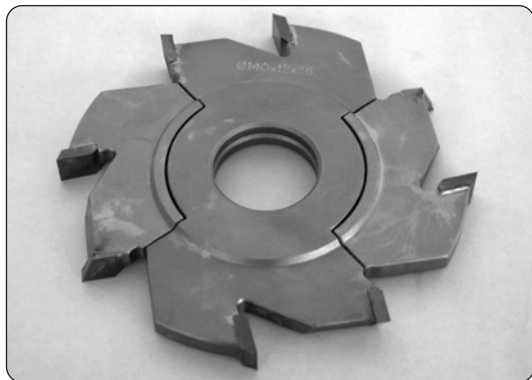
n. 5.500-8.000 min⁻¹

Codice Code	D D	B B	Cod. Prezzo Price Code
1475.140.004	140	4	L14
1475.140.005	140	5	C15
1475.140.006	140	6	E15
1475.140.008	140	8	H15
1475.140.010	140	10	M15
1475.140.012	140	12	D16
1475.140.014	140	14	F16
1475.140.016	140	16	M16
1475.140.018	140	18	F17
1475.140.020	140	20	M17



1570

FRESE PER INCASTRI REGOLABILI ADJUSTABLE GROOVING CUTTERS

**HW****Z=4+4****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed**APPLICAZIONE/APPLICATION:**Fresa per esecuzione di canali con spessore regolabile mediante anelli
For grooves with adjustable thickness by spacers.**MACCHINA/MACHINE:**Toupie e scorniatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.**INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:**

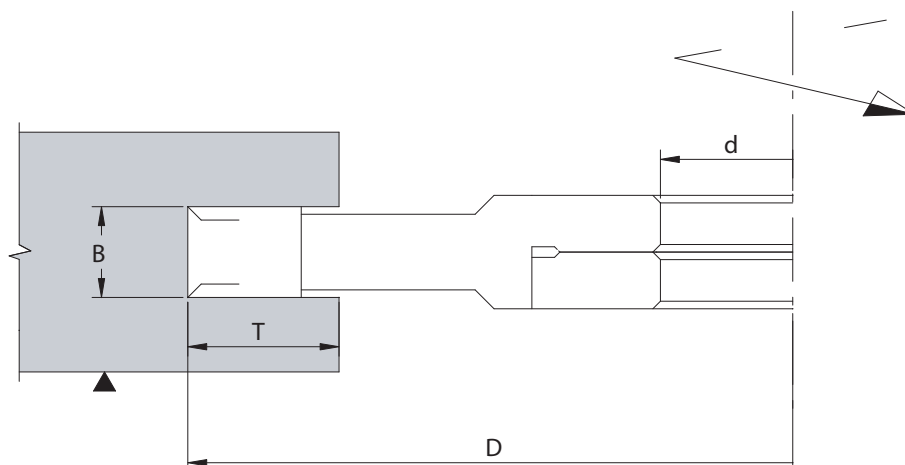
Esecuzione con 4 taglienti, 4 incisori e limitatore di truciolo • Foro "d" da 30 a 40 mm

• **Profondità canale "T"**: D. 140 - T= max 30 mm, D. 160 - T= max 35 mm,
D. 180 - T= max 45 mm, D. 200 - T= max 55 mm

Designed with 4 cuts, 4 spurs and chip limiter • Bore "d" from 30 to 40 mm

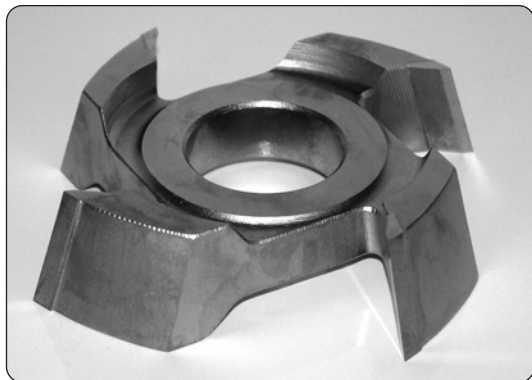
• **Depth of groove "T"**: D. 140 - T= max 30 mm, D. 160 - T= max 35 mm,
D. 180 - T= max 45 mm, D. 200 - T= max 55 mm**D. 140:160 - n. 4.700-7.200 min⁻¹****D. 180:200 - n. 4.000-5.800 min⁻¹**

Codice Code	D D	B B	Cod. Prezzo Price Code
1570.140.003	140	3:5,5	D19
1570.140.004	140	4:7,5	G19
1570.140.006	140	6:11,5	B20
1570.140.008	140	8:15,5	E20
1570.140.010	140	10:19,5	H20
1570.160.004	160	4:7,5	H20
1570.160.006	160	6:11,5	C21
1570.160.008	160	8:15,5	F21
1570.160.010	160	10:19,5	M21
1570.180.004	180	4:7,5	L21
1570.180.006	180	6:11,5	E22
1570.180.008	180	8:15,5	H22
1570.180.010	180	10:19,5	A23
1570.200.004	200	4:7,5	M22
1570.200.006	200	6:11,5	F23
1570.200.008	200	8:15,5	L23
1570.200.010	200	10:19,5	B24

Anelli distanziali a richiesta, vedi art. 8370**Spacers rings on request, see art. 8370**

1625

FRESE PER SMUSSI A 45° 45° BEVELLING CUTTERS



APPLICAZIONE/APPLICATION:

Fresa sagomata per esecuzione di smussi a 45°
Cutter for cutting bevels at 45°.

MACCHINA/MACHINE:

Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

D. 140 - d max 30 mm n. 5.500-8.100 min⁻¹
D. 160 - d max 50 mm n. 4.800-7.100 min⁻¹
D. 180 - d max 50 mm n. 4.200-6.100 min⁻¹
D. 200 - d max 50 mm n. 3.500-5.200 min⁻¹

HW

Z=4

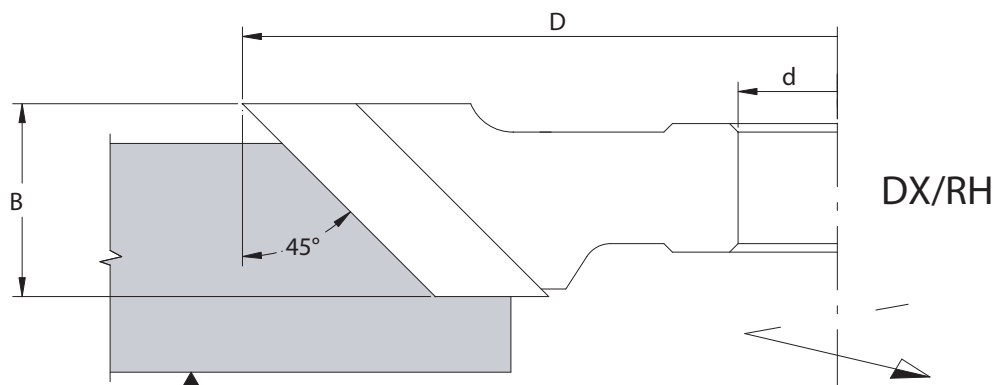
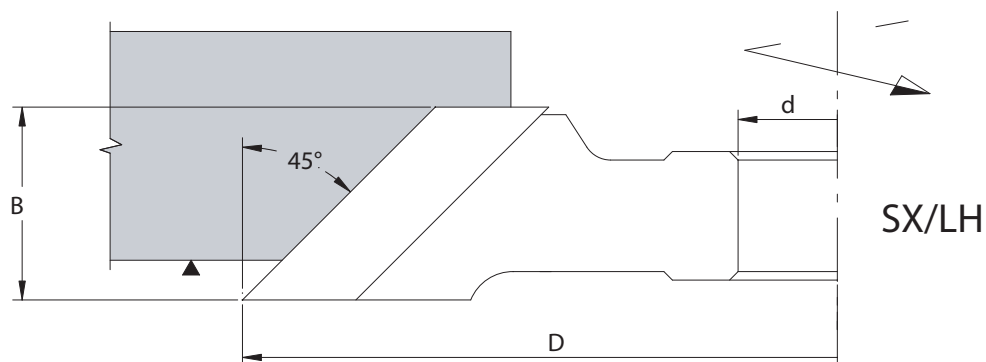
MAN

Avanzamento manuale
Manual feed

MEC

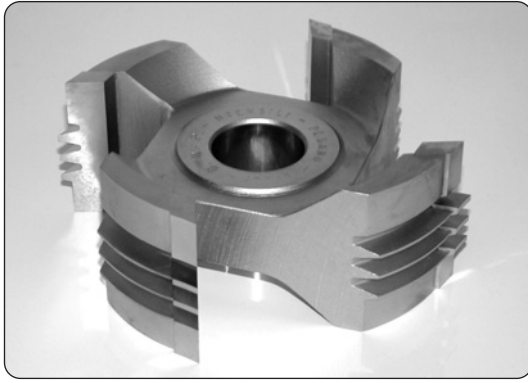
Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code
1625.140.030	140	30	B21
1625.160.030	160	30	F21
1625.180.030	180	30	M21
1625.180.050	180	40	H22
1625.200.030	200	30	C22
1625.200.050	200	50	A24



1685

FRESE PER GIUNZIONI FINGER JOINT CUTTERS



APPLICAZIONE/APPLICATION:

Per esecuzione di giunzioni lungo vena e di testa • Per la produzione di pannelli, listelli e parti di mobili.

For cutting finger joints and against the grain • To produce panels, parts for furniture industry and stair construction.

MACCHINA/MACHINE:

Toupie, scorniciatrici.
Spindle shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 50 mm.
Bore "d" from 30 to 50 mm.

n. 5.500-8.100 min⁻¹

HW

Z=4

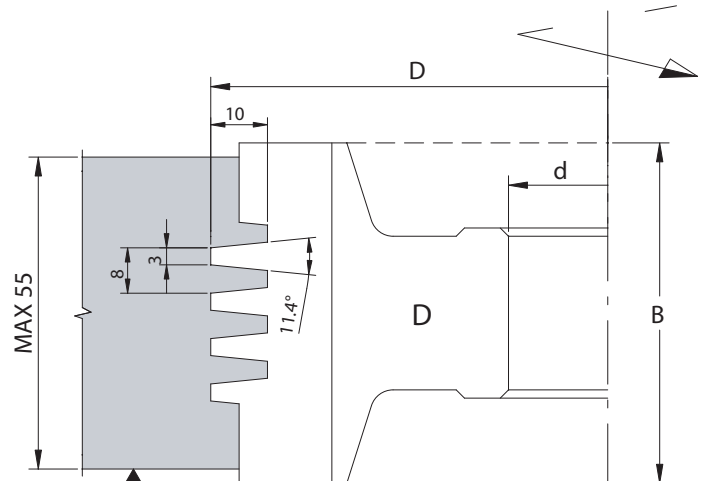
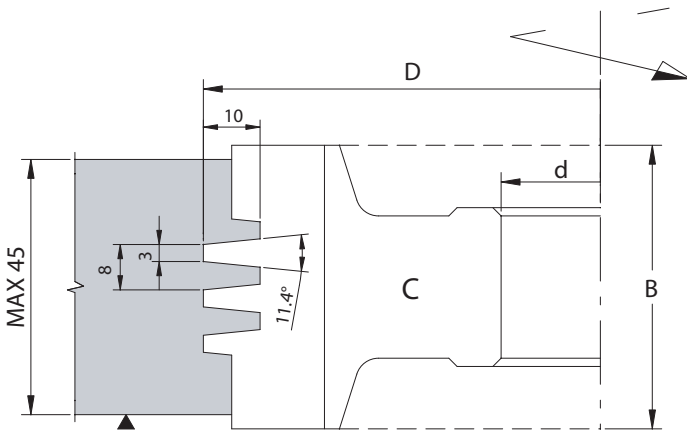
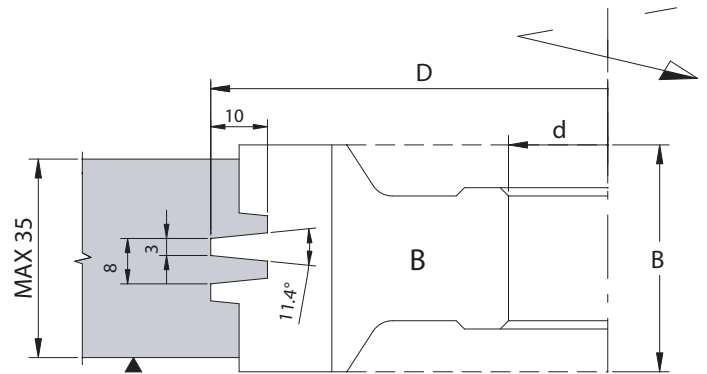
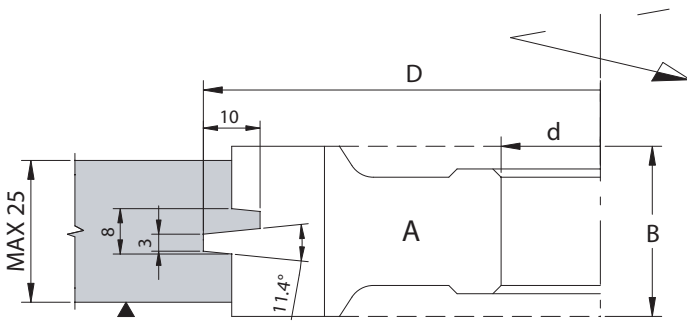
MAN

Avanzamento manuale
Manual feed

MEC

Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Profilo Profile	Cod. Prezzo Price Code
1685.140.030	140	30	A	E25
1685.140.040	140	40	B	B26
1685.140.050	140	50	C	A27
1685.140.060	140	60	D	L27



1700

FRESE PER GIUNZIONI FINGER JOINT CUTTERS



APPLICAZIONE/APPLICATION:

Per esecuzione di giunzioni lungo vena • Per la produzione di pannelli per antine di mobili.
For cutting finger joints with the grain • To produce panels for furniture industry.

MACCHINA/MACHINE:

Toupie, scorniciatrici.
Spindle shapers, moulders.

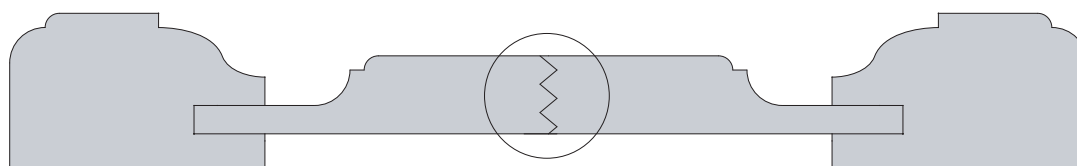
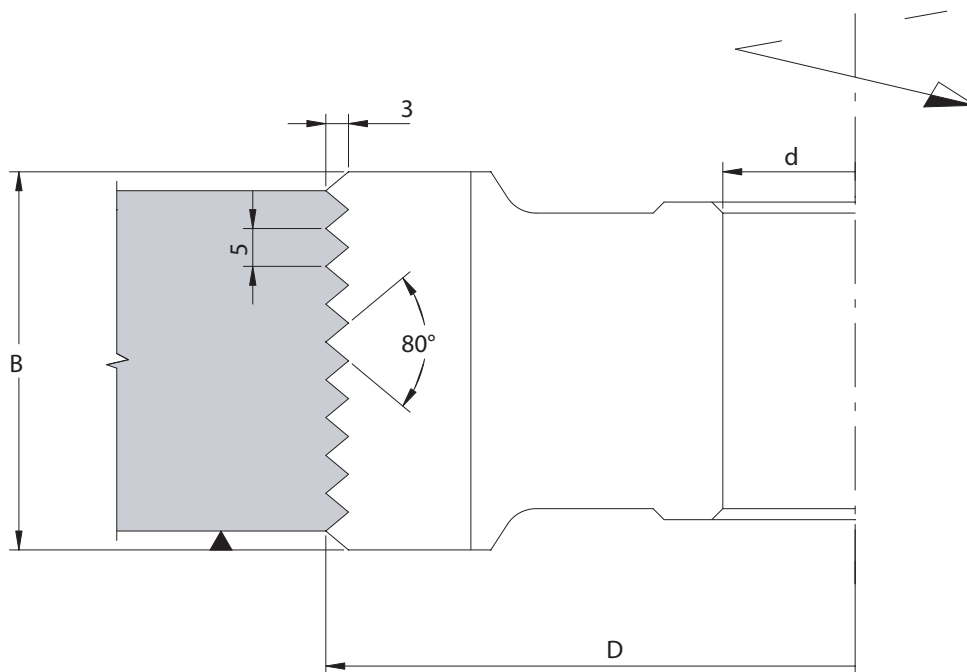
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 50 mm.
Bore "d" from 30 to 50 mm.

n. 5.500-8.100 min⁻¹

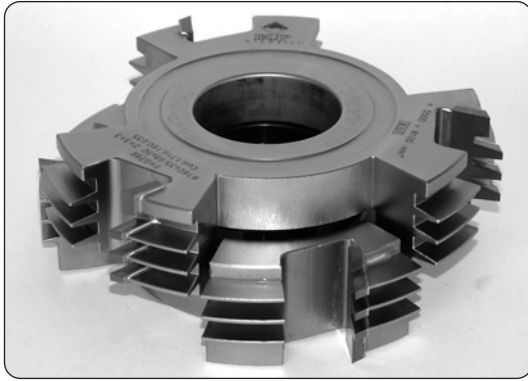
HW **Z=4** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code
1700.140.050	140	50	L25
1700.140.060	140	60	F26
1700.140.080	140	80	C28



1710

FRESE PER GIUNZIONI FINGER JOINT CUTTERS



APPLICAZIONE/APPLICATION:

Per esecuzione di giunzioni lungo vena • Per la produzione di pannelli, listelli, parti di mobili e scale • Regolabile mediante anelli per diversi spessori di legno
For cutting finger joints with the grain • To produce panels, parts for furniture industry and stair construction • Adjustable by rings different wood thickness.

MACCHINA/MACHINE:

Toupie, scorniciatrici.
Spindle shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

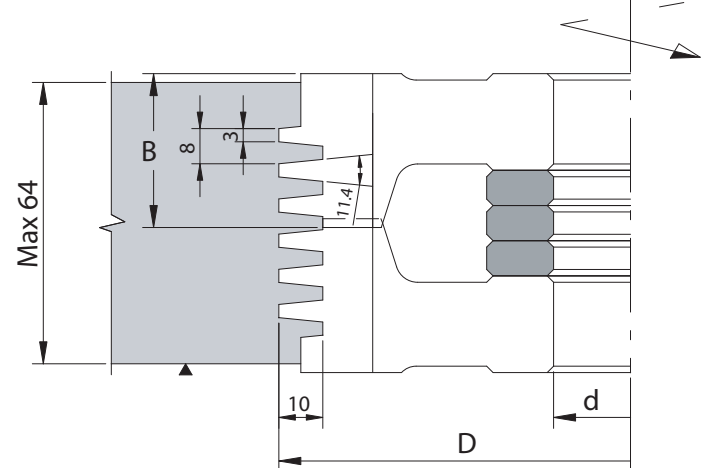
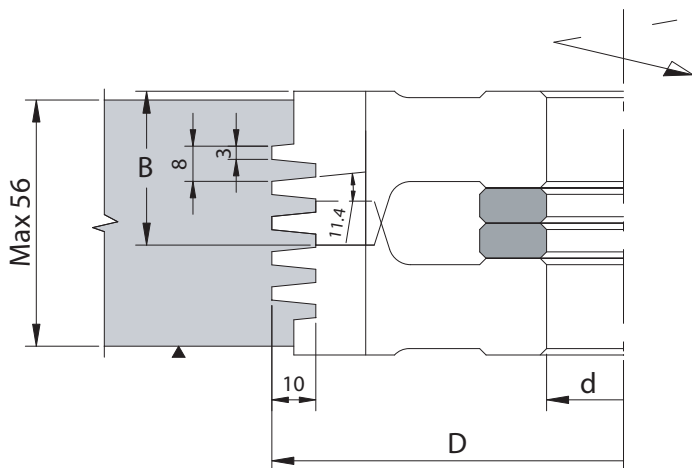
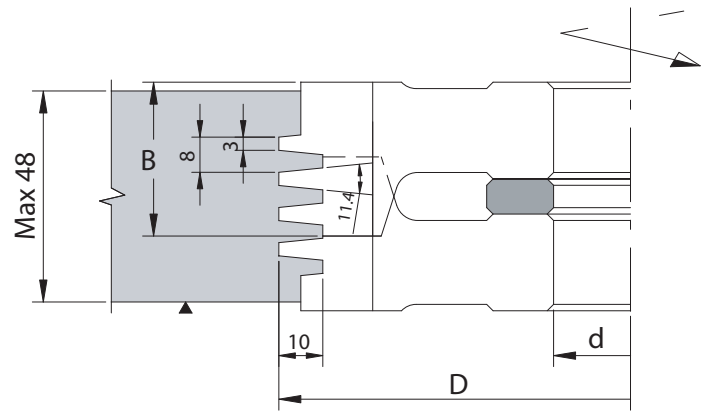
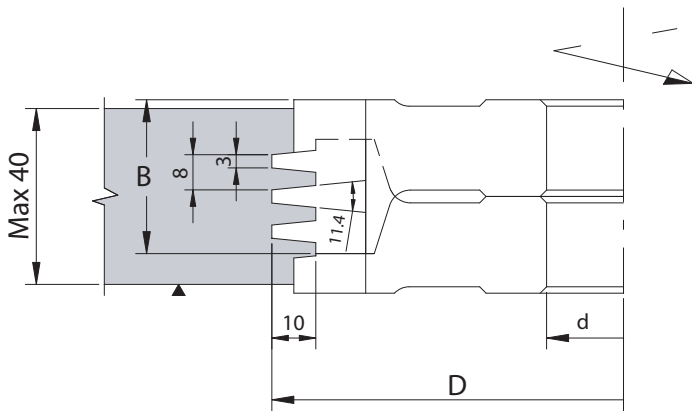
Foro "d" da 30 a 50 mm.

- Il gruppo viene fornito completo di anelli per la regolazione dello spessore.
Bore "d" from 30 to 50 mm.
- The cutterset include spacers for thickness adjustment.

HW **Z=3+3** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

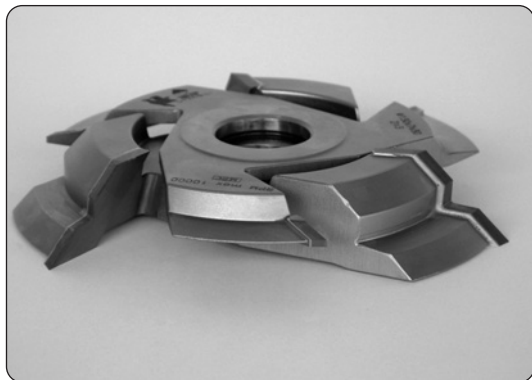
n. 5.500-8.100 min⁻¹

Codice Code	D D	B B	Cod. Prezzo Price Code
1710.160.035	160	35	C33



1730

FRESE PER GIUNZIONI FINGER JOINT CUTTERS



APPLICAZIONE/APPLICATION:

Per esecuzione di giunzioni di pannelli a 45° • Con la stessa fresa si ottengono profilo e controprofilo.

For cutting finger joints at 45° • The same cutter produce profile and counterprofile.

MACCHINA/MACHINE:

Toupie/Spindle shapers.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

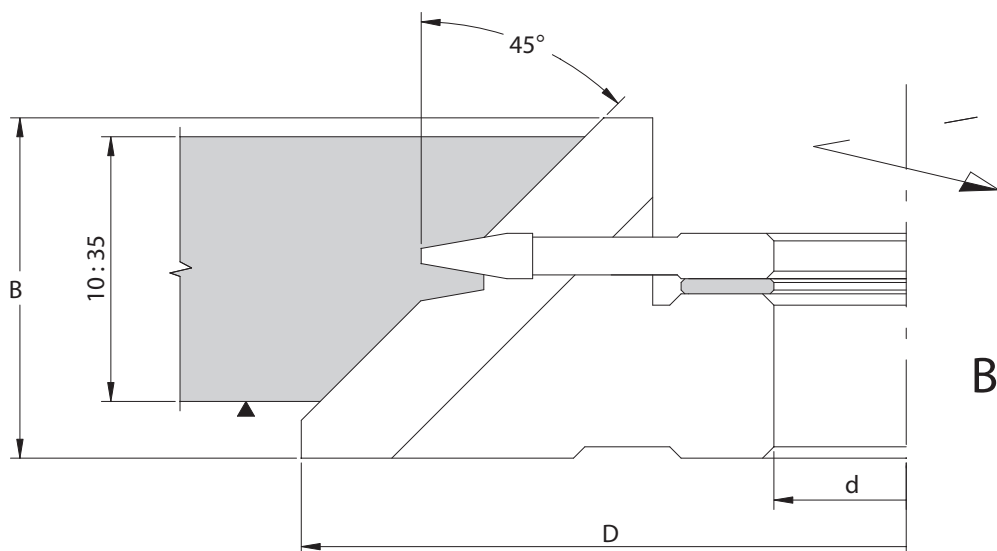
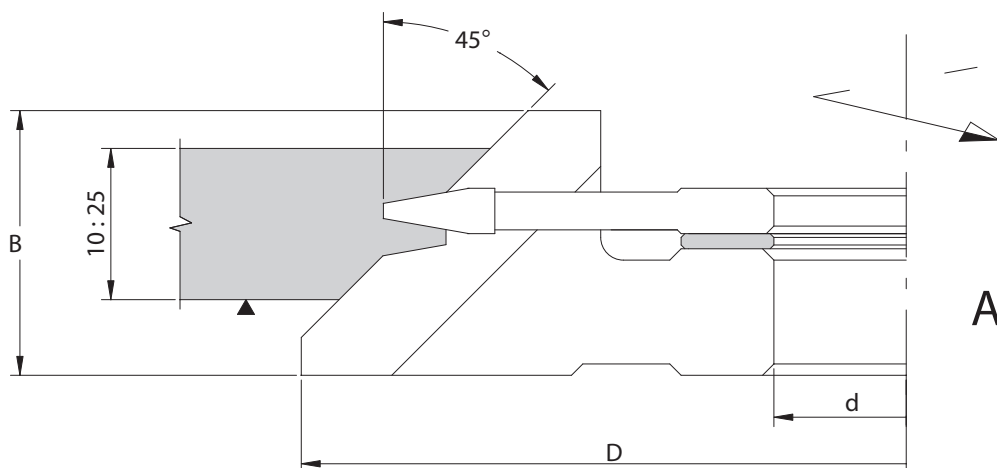
Foro "d" da 30 a 50 mm.

Bore "d" from 30 to 50 mm.

n. 5.500-9.500 min⁻¹

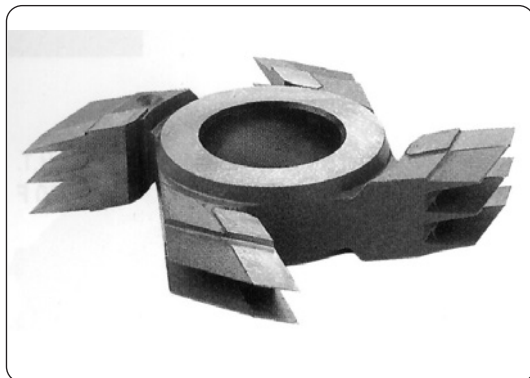
HW **Z=3+3** **MEC** Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Profilo Profile	Cod. Prezzo Price Code
1730.160.035	160	35	A	G26
1730.160.045	160	45	B	B27



1735

FRESA PER GIUNZIONI TIPO "MINIZINKEN" MINIZINKEN FINGER JOINT CUTTER



APPLICAZIONE/APPLICATION:

Per fresare giunzioni lungo vena per la produzione di strutture portanti, pannelli e listelli su legni teneri e duri.

For cutting finger joints with the grain. For production of supporting construction parts and panels on soft and hard woods.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglienti diritti • In HS per legni teneri

• In HW per legni duri (art. 1740) aumento 15%.

Designed with 4 straight cuts • HS for soft wood

• *HW for hard wood (art. 1740) increase 15% .*

n. max 8.000 min⁻¹

HW-HS**Z=4****MEC**

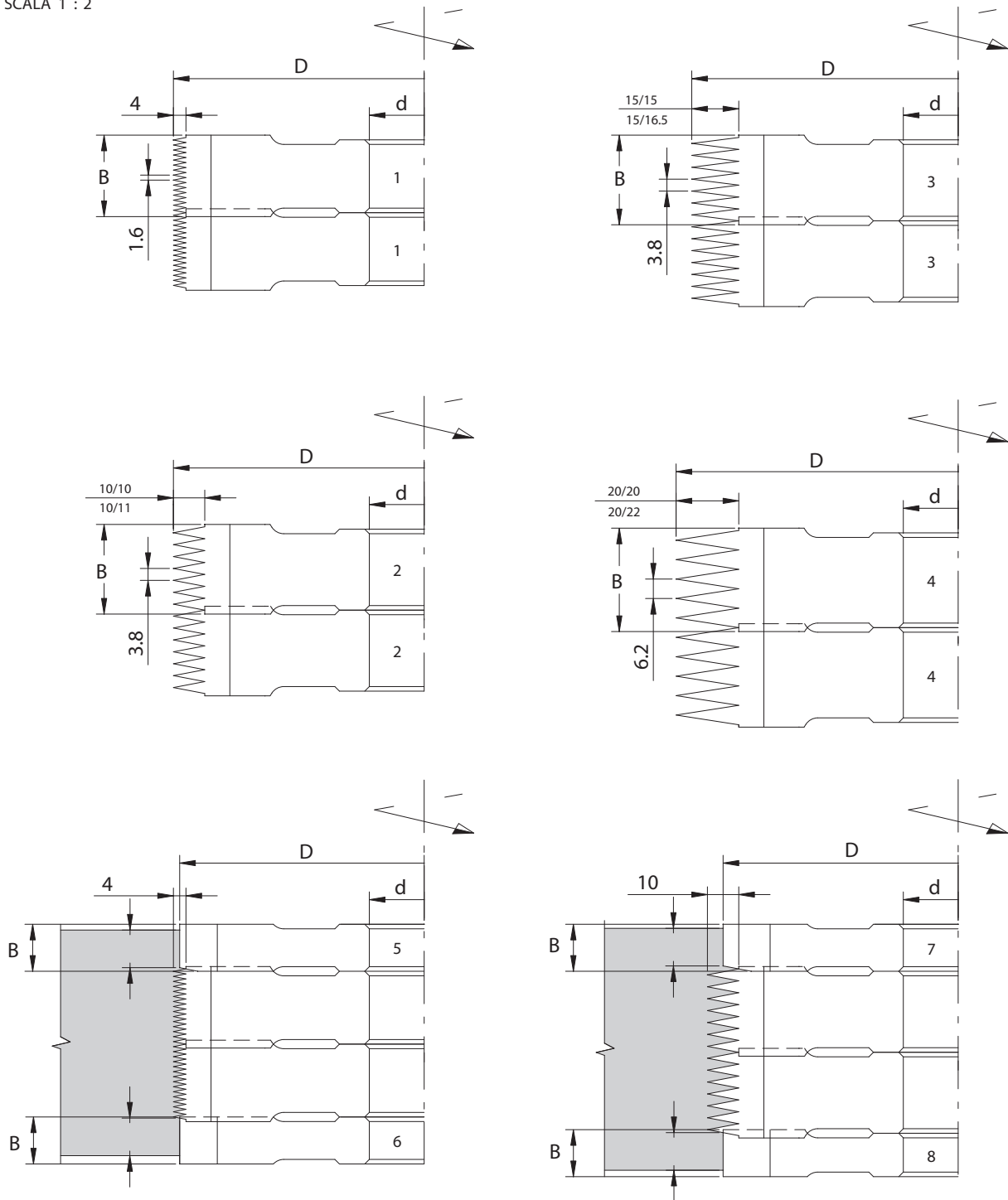
Avanzamento meccanico
Mechanical feed

N°	Codice Code	D D	B B	P P	Cod. Prezzo Price Code
1	1735.160.000	160	26	4	A26
2	1735.160.001	160	28,6	10/10	H28
	1735.160.002	160	28,6	10/11	H28
3	1735.170.001*	170	28,6	15/15	D30
	1735.170.002*	170	28,6	15/16,5	D30
4	1735.180.001*	180	33	20/20	L31
	1735.180.002*	180	33	20/22	L31
5	1735.156.001	156	15	4	F20
6	1735.156.002	156	15	4	H18
7	1735.150.001	150	15	10	F20
8	1735.150.002	150	15	10	H18

*Si costruiscono solamente con taglienti HS/Manufactured only with HS theet

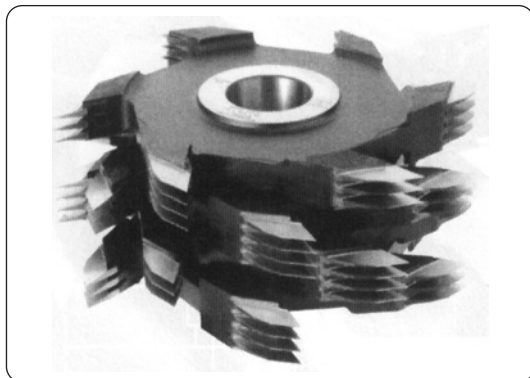
B=26 mm		B=28,6 mm		B=33 mm	
Legno max mm Wood max mm	nr.frese nr.of cutters	Legno max mm Wood max mm	nr.frese nr.of cutters	Legno max mm Wood max mm	nr.frese nr.of cutters
23	1	24	1	28	1
47	2	51	2	59	2
71	3	77	3	90	3
95	4	104	4	121	4
119	5	131	5	152	5
		157	6	183	6
		187	7	214	7
		210	8	245	8
		237	9	276	9
		264	10	307	10

SCALA 1 : 2



1745

FRESA PER GIUNZIONI TIPO "MINIZINKEN" MINIZINKEN FINGER JOINT CUTTER



APPLICAZIONE/APPLICATION:

Per fresare giunzioni lungo vena per la produzione di strutture portanti, pannelli e listelli su legni teneri e duri.

For cutting finger joints with the grain. For production of supporting construction parts and panels on soft and hard woods.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 6 taglienti dritti • In HS per legni teneri

• In HW per legni duri (art. 1750) aumento 15%.

Designed with 6 straight cuts • HS for soft wood

• *HW for hard wood (art. 1750) increase 15%.*

n. max 6.000 min⁻¹

HW-HS

Z=6

MEC

Avanzamento meccanico
Mechanical feed

N°	Codice Code	D D	B B	P P	Cod. Prezzo Price Code
1	1745.250.001	250	28,6	10/10	F32
	1745.250.002	250	28,6	10/11	F32
2	1745.260.001*	260	28,6	15/15	C34
	1745.260.002*	260	28,6	15/16,5	C34
3	1745.260.003*	260	33	20/20	H34
	1745.260.004*	260	33	20/22	H34

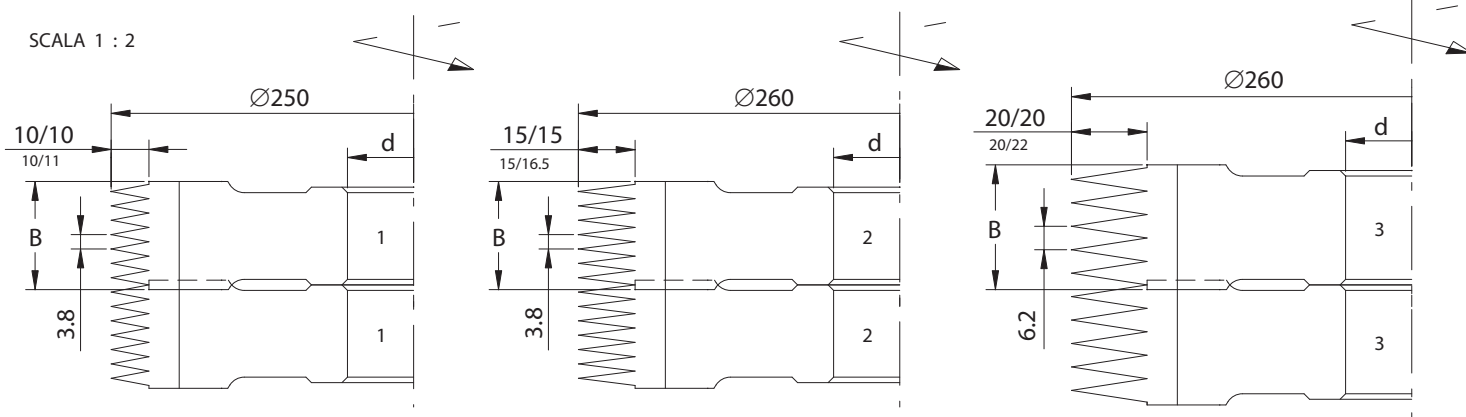
*Si costruiscono solamente con taglienti HS/Manufactured only with HS theet

B=28,6 mm

B=33 mm

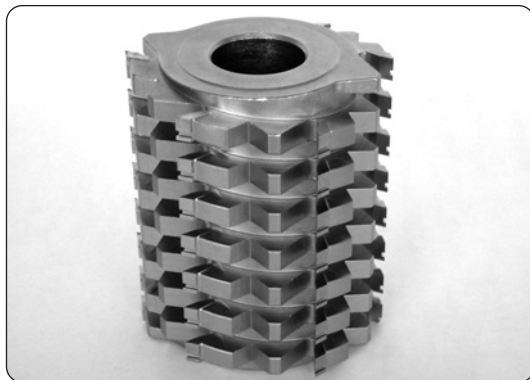
Legno max mm Wood max mm	nr.frese nr.of cutters	Legno max mm Wood max mm	nr.frese nr.of cutters
24	1	28	1
51	2	59	2
77	3	90	3
104	4	121	4
131	5	152	5
157	6	183	6
187	7	214	7
210	8	245	8
237	9	276	9
264	10	307	10

SCALA 1 : 2



1760

FRESE MULTITAGLIENTI SPIRAL MULTICUT CUTTERS



APPLICAZIONE/APPLICATION:

Per piallare e fresare con grandi asportazioni di truciolo e alte velocità di avanzamento ottenendo una buona finitura.

For cutting and planing with great chip removal at high feed speed. Good finishing on workpiece.

MACCHINA/MACHINE:

Scorniatrici e fresatrici a copiare/Moulders, copy-shaper.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 40 mm • Fresa con taglienti frazionati a spirale in HW.

Bore "d" da 30 a 40 mm • Cutter with HW spiral cuts.

HW

Z=8

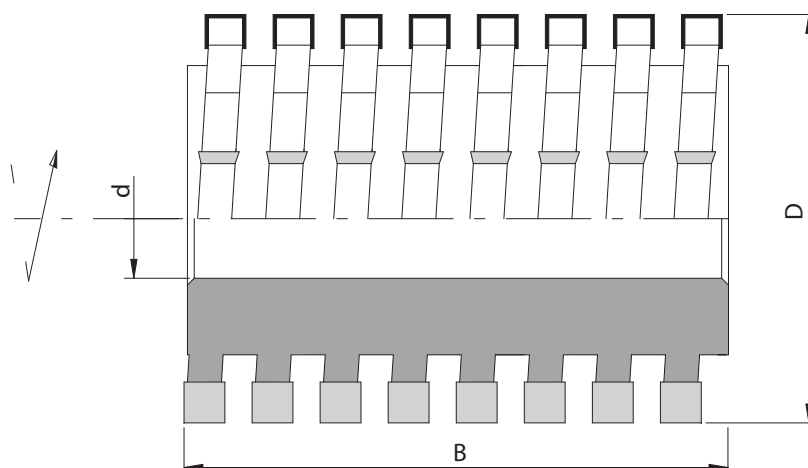
MAN

Avanzamento manuale
Manual feed

MEC

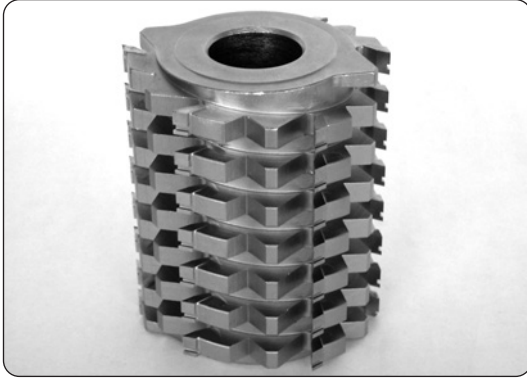
Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code
1760.100.080	100	80	H24
1760.100.100	100	100	L26
1760.100.120	100	120	G29
1760.100.140	100	140	D31
1760.100.160	100	160	H32
1760.100.180	100	180	B33
1760.100.200	100	200	A34
1760.120.080	120	80	L24
1760.120.100	120	100	M26
1760.120.120	120	120	A30
1760.120.140	120	140	E31
1760.120.160	120	160	M32
1760.120.180	120	180	E33
1760.120.200	120	200	C34
1760.140.080	140	80	A25
1760.140.100	140	100	A27
1760.140.120	140	120	D30
1760.140.140	140	140	G31
1760.140.160	140	160	B33
1760.140.180	140	180	G33
1760.140.200	140	200	D34



1765

FRESE MULTITAGLIENTI SPIRAL MULTICUT CUTTERS



APPLICAZIONE/APPLICATION:

Per piallare e fresare con grandi asportazioni di truciolo e alte velocità di avanzamento ottenendo una buona finitura.

For cutting and planing with great chip removal at high feed speed. Good finishing on workpiece.

MACCHINA/MACHINE:

Scorniatrici e fresatrici a copiare/Moulders, copy-shaper.

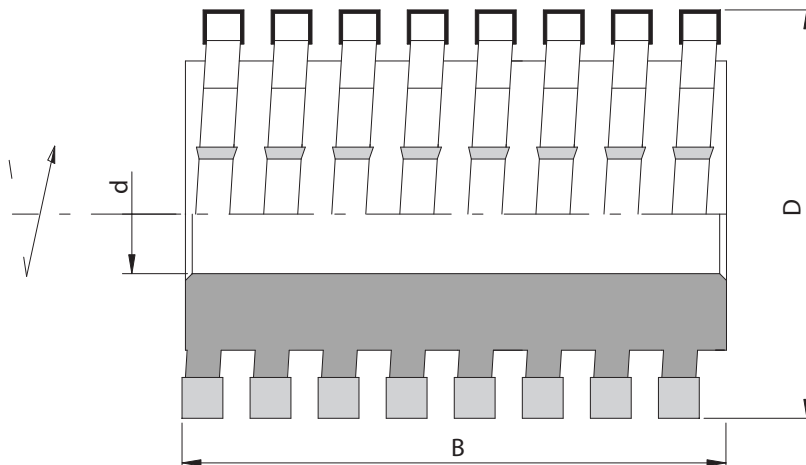
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 40 mm • Fresa con taglienti frazionati a spirale in HW .

Bore "d" da 30 a 40 mm • Cutter with HW spiral cuts.

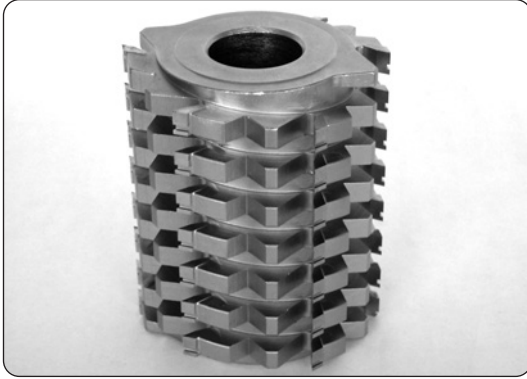
HW **Z=12** **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code
1765.100.080	100	80	B26
1765.100.100	100	100	H28
1765.100.120	100	120	H31
1765.100.140	100	140	M32
1765.100.160	100	160	D34
1765.100.180	100	180	L34
1765.100.200	100	200	D35
1765.120.080	120	80	C26
1765.120.100	120	100	M28
1765.120.120	120	120	L31
1765.120.140	120	140	B33
1765.120.160	120	160	F34
1765.120.180	120	180	A35
1765.120.200	120	200	F35
1765.140.080	140	80	E26
1765.140.100	140	100	B29
1765.140.120	140	120	B32
1765.140.140	140	140	E33
1765.140.160	140	160	H34
1765.140.180	140	180	C35
1765.140.200	140	200	A36



1770

FRESE MULTITAGLIENTI SPIRAL MULTICUT CUTTERS

**APPLICAZIONE/APPLICATION:**

Per piallare e fresare con grandi asportazioni di truciolo e alte velocità di avanzamento ottenendo una buona finitura.

For cutting and planing with great chip removal at high feed speed. Good finishing on workpiece.

MACCHINA/MACHINE:

Scorniatrici e fresatrici a copiare/Moulders, copy-shaper.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

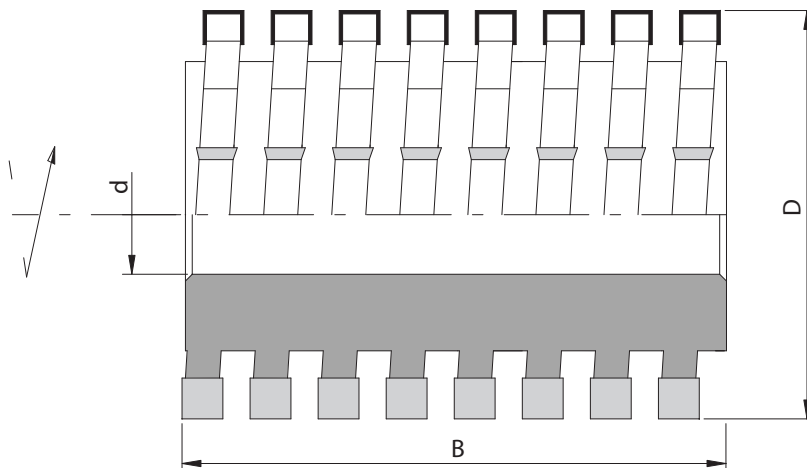
Foro "d" da 30 a 40 mm • Fresa con taglienti frazionati a spirale in HW .

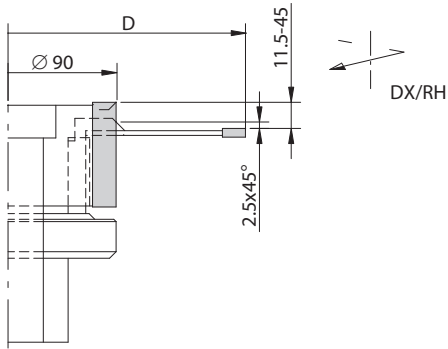
Bore "d" da 30 a 40 mm • Cutter with HW spiral cuts .

HW **Z=16** **MAN** Avanzamento manuale
Manual feed

MEC Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	Cod. Prezzo Price Code
1770.100.080	100	80	E29
1770.100.100	100	100	H31
1770.100.120	100	120	B33
1770.100.140	100	140	C35
1770.100.160	100	160	C36
1770.100.180	100	180	B37
1770.100.200	100	200	A38
1770.120.080	120	80	G29
1770.120.100	120	100	L31
1770.120.120	120	120	E33
1770.120.140	120	140	D35
1770.120.160	120	160	E36
1770.120.180	120	180	D37
1770.120.200	120	200	B38
1770.140.080	140	80	A30
1770.140.100	140	100	B32
1770.140.120	140	120	G33
1770.140.140	140	140	D35
1770.140.160	140	160	F36
1770.140.180	140	180	F37
1770.140.200	140	200	D38

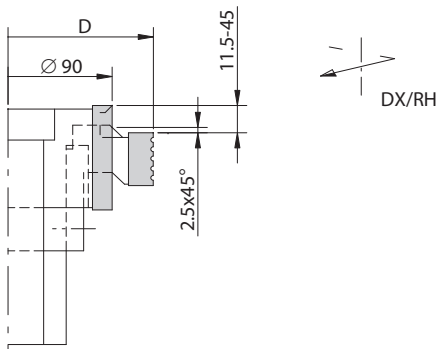




INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con lama D. 220 regolabile con ghiera.
Made with D. 220 saw blade. Adjustable by nut.

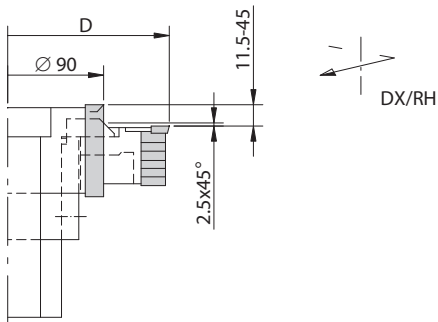
Codice Code	D	B	Z	Cod. Prezzo Price Code
1775.000.001	220/90	11,5:45	3+6	L36



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore D. 130 regolabile su canotto.
Made with D. 130 hogger. Adjustable on hub.

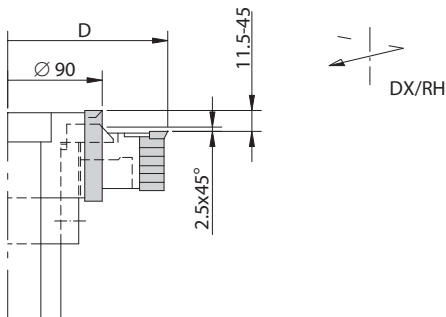
Codice Code	D	B	Z	Cod. Prezzo Price Code
1775.000.002	130/90	11,5:45	3+6	L34



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore multitagliente D. 150 + lama regolabile su canotto.
Made with D. 150 multicut hogger and saw blade. Adjustable on hub.

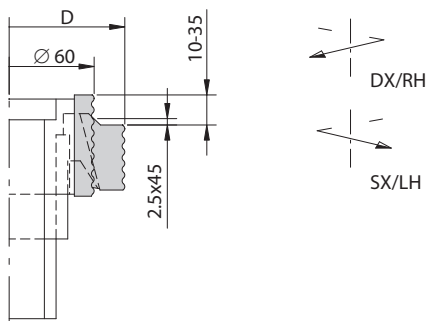
Codice Code	D	B	Z	Cod. Prezzo Price Code
1775.000.003	150/90	11,5:45	3+6	L36



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore multitagliente D. 125 + lama regolabile su canotto.
Made with D. 125 multicut hogger and saw blade. Adjustable on hub.

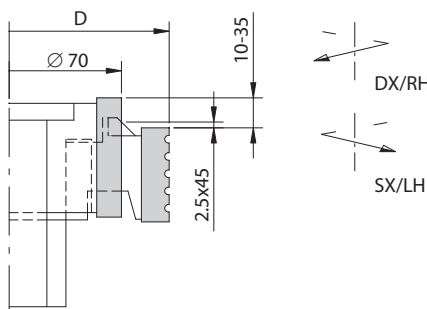
Codice Code	D	B	Z	Cod. Prezzo Price Code
1775.000.004	125/70	10:35	3+6	M35



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore D. 80 regolabile su canotto.
Made with D. 80 hogger. Adjustable on hub.

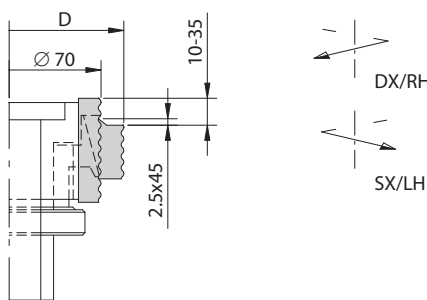
Codice Code	D D	B B	Z Z		Cod. Prezzo Price Code
1780.000.001	80/60	10:35	3+6	Dx/Rh	G33
1781.000.001	80/60	10:35	3+6	Sx/Lh	G33



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore D. 104 regolabile su canotto.
Made with D. 104 hogger. Adjustable on hub.

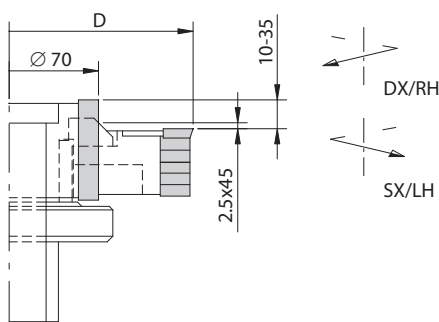
Codice Code	D D	B B	Z Z		Cod. Prezzo Price Code
1780.000.002	104/70	10:35	3+6	Dx/Rh	G33
1781.000.002	104/70	10:35	3+6	Sx/Lh	G33



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore D. 89 regolabile con ghiera.
Made with D. 89 hogger. Adjustable by nut.

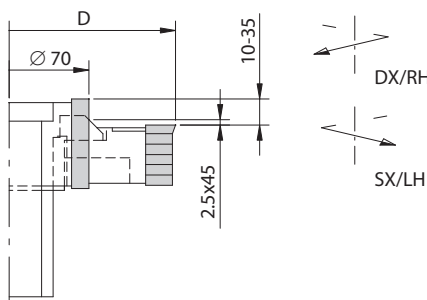
Codice Code	D D	B B	Z Z		Cod. Prezzo Price Code
1780.000.003	89/70	10:35	3+6	Dx/Rh	F34
1781.000.003	89/70	10:35	3+6	Sx/Lh	F34



INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con truciolatore multitaglienti D. 125 + lama, regolabile con ghiera.
Made with D. 125 multicut hogger and saw blade. Adjustable by nut.

Codice Code	D D	B B	Z Z		Cod. Prezzo Price Code
1780.000.004	125/70	10:35	3+6	Dx/Rh	D36
1781.000.004	125/70	10:35	3+6	Sx/Lh	D36

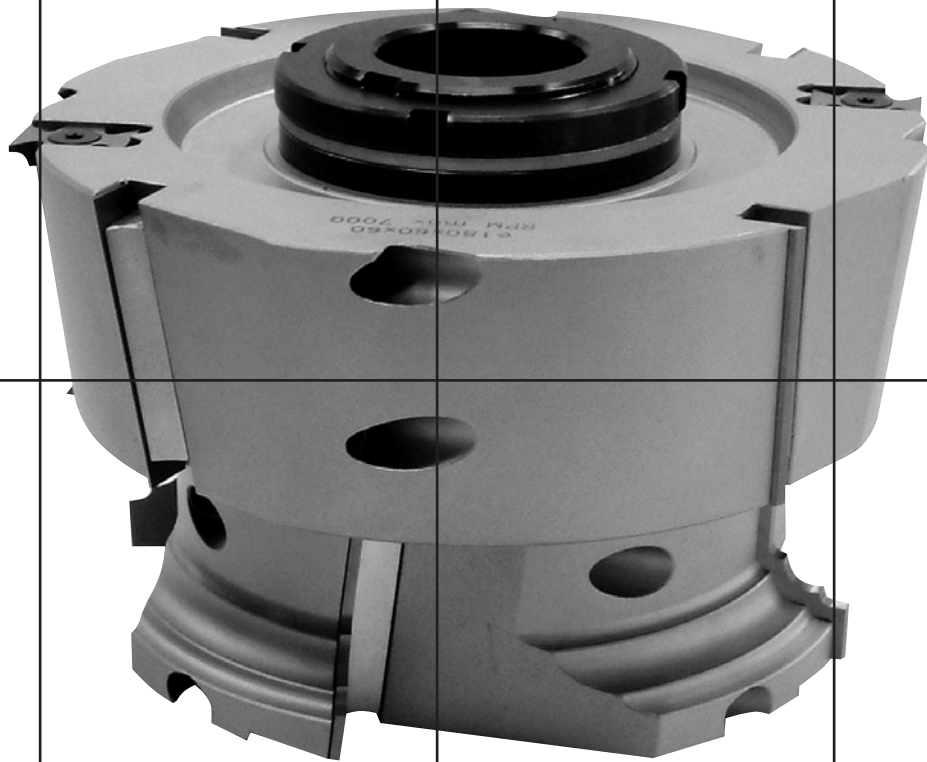


INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

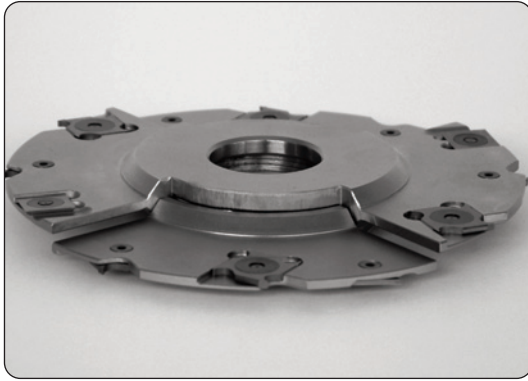
Esecuzione con truciolatore multitaglienti D. 125 + lama, regolabile su canotto.
Made with D. 125 multicut hogger and saw blade. Adjustable on hub.

Codice Code	D D	B B	Z Z		Cod. Prezzo Price Code
1780.000.005	125/70	10:35	3+6	Dx/Rh	A36
1781.000.005	125/70	10:35	3+6	Sx/Lh	A36

2



Teste portacoltelli
Cutter heads



APPLICAZIONE/APPLICATION:

Realizzazione di canali a spessore regolabile mediante anelli.
For grooving cutting width adjustable with shims.

MACCHINA/MACHINE:

Toupie, scorniciatrice, squadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

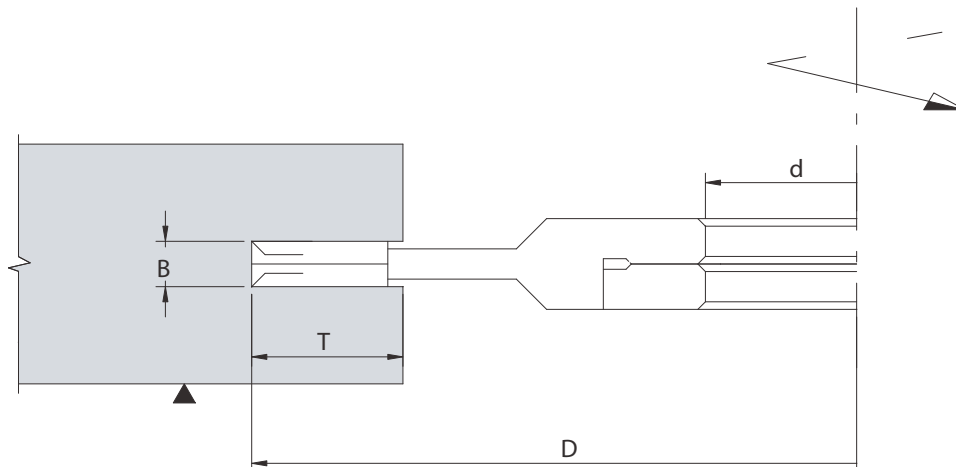
Foro "d" da 30 a 40 mm - esecuzioni con 8 taglienti e 4 incisori.
Bore "d" from 30 to 40 mm - manufactured in two pieces with 8 cutting edges and 4 spurs.
"T" = max 30 mm - n= 5.000/8.000 min⁻¹

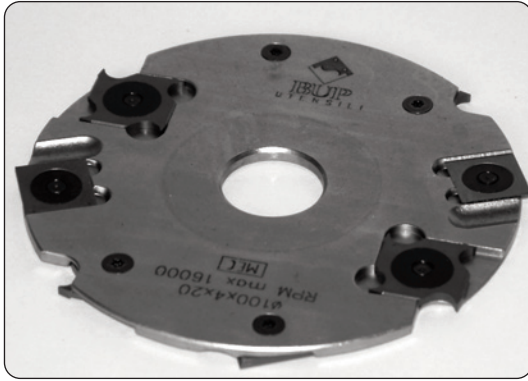
HW **Z=8+4** **MAN** Avanzamento manuale
Manual feed

RICAMBI/Spare Parts

Codice Code	D	B	Cod. Prezzo Price Code	Coltello Knife	Vite Screw	Controvite Nut	Incisore Spur	Vite Screw	Controvite Nut
2010.150.004	150	4:7,5	E25	8125.180.019	8315.004.001	8320.004.001	8120.140.001	8315.004.001	8320.004.000
2010.150.006	150	6:11,5	B27	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.002	8320.004.000

Anelli distanziali a richiesta, vedi art. 8370
Spacers rings on request, see art. 8370





HW **Z=4+4** **MAN** Avanzamento manuale
Manual feed

APPLICAZIONE/APPLICATION:

Realizzazione di canali a spessore costante.
Production of constant thickness groovers.

MACCHINA/MACHINE:

Toupie, scorniatrice, squadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

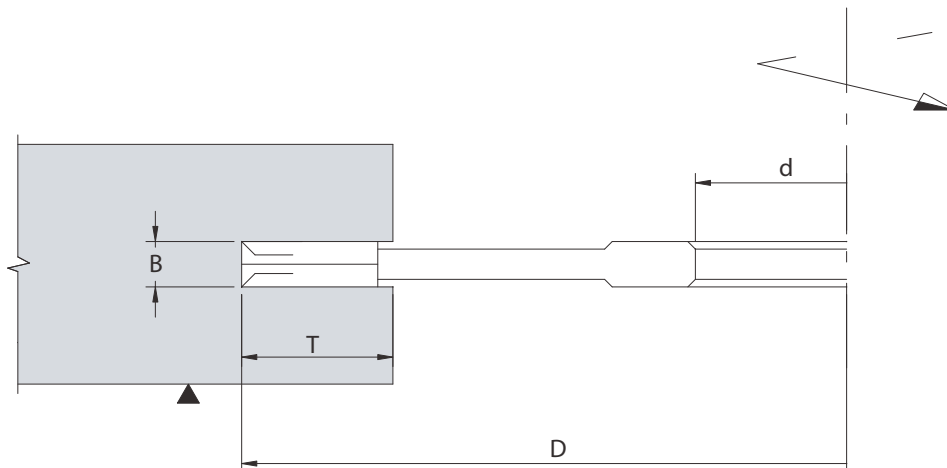
Foro "d" da 30 a 40 mm - esecuzione con 4 taglienti e 4 incisori.

Bore "d" from 30 to 40 mm - manufactured in one piece with 4 cutting edges and 4 spurs.

- D. 100 d= 22 (lamello) n= 7.500/13.000 min⁻¹
- D. 120 mm n= 6.000/9.000 min⁻¹
- D. 140 mm n= 6.000/9.000 min⁻¹
- D. 160 mm n= 5.000/8.000 min⁻¹
- D. 180 mm n= 4.500/7.000 min⁻¹

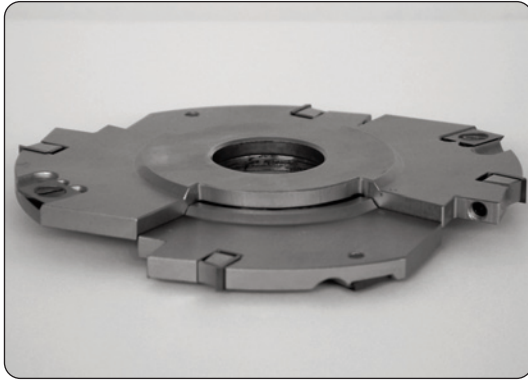
RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Vite Screw	Controvite Nut	Incisore Spur	Vite Screw	Controvite Nut
2020.100.004	100	4	E21	8125.180.019	8315.004.001	8320.004.001	8120.140.001	8315.004.001	8320.004.000
2020.120.004	120	4	F23	8125.180.019	8315.004.001	8320.004.001	8120.140.001	8315.004.001	8320.004.000
2020.120.005	120	5	M23	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.002	8320.004.000
2020.120.006	120	6	D24	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.003	8320.004.000
2020.140.004	140	4	L23	8125.180.019	8315.004.001	8320.004.001	8120.140.001	8315.004.001	8320.004.000
2020.140.005	140	5	C24	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.002	8320.004.000
2020.140.006	140	6	H24	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.003	8320.004.000
2020.160.004	160	4	A24	8125.180.019	8315.004.001	8320.004.001	8120.140.001	8315.004.001	8320.004.000
2020.160.005	160	5	D24	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.002	8320.004.000
2020.160.006	160	6	L24	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.003	8320.004.000
2020.180.004	180	4	D24	8125.180.019	8315.004.001	8320.004.001	8120.140.001	8315.004.001	8320.004.000
2020.180.005	180	5	G24	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.002	8320.004.000
2020.180.006	180	6	B25	8125.180.029	8315.004.002	8320.004.001	8120.140.001	8315.004.003	8320.004.000



2030

TESTA PORTA COLTELLI REGOLABILE PER CANALI ADJUSTABLE GROOVING CUTTERHEAD



APPLICAZIONE/APPLICATION:

Realizzazione di canali a spessore regolabile mediante anelli.
For grooving cutting width adjustable with shims.

MACCHINA/MACHINE:

Toupie, scorniciatrice, squadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

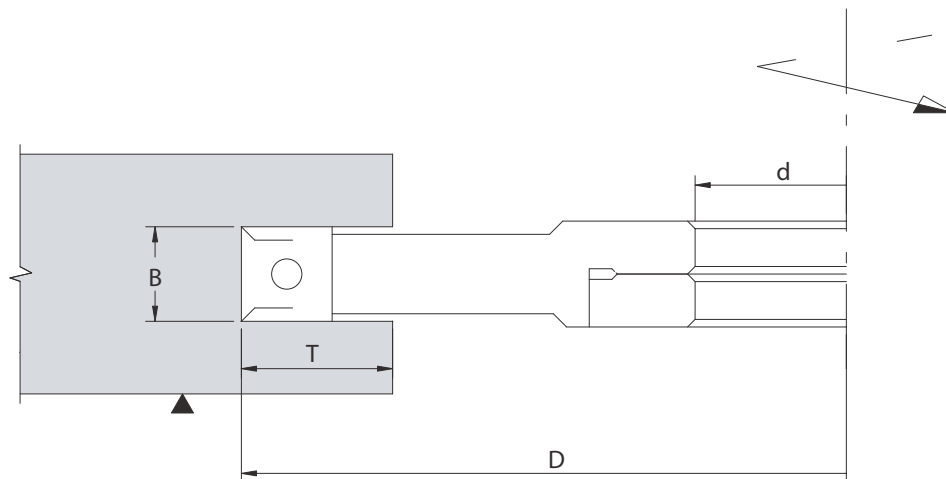
Foro "d" da 30 a 40 mm - esecuzione con 4 taglienti e 4 incisori.
Bore "d" from 30 to 40 mm - manufactured in two pieces with 4 cutting edges and 4 spurs.
D. 120 mm "T" max 20 - n= 7.000/10.000 min⁻¹
D. 160 mm "T" max 40 - n= 5.500/9.000 min⁻¹
D. 200 mm "T" max 60 - n= 4.500/7.500 min⁻¹

HW **Z=4+4** **MAN** Avanzamento manuale
Manual feed

RICAMBI/Spare Parts

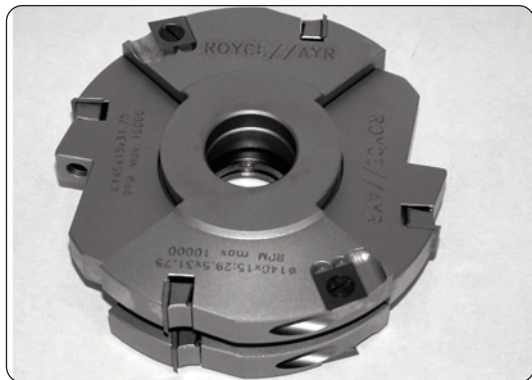
Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
2030.120.008	120	8;15,5	B22	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
2030.120.012	120	12,5;24	F22	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2030.120.015	120	15,5;30	F22	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
2030.120.020	120	20,5;40	C23	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
2030.120.030	120	30,5;60	E23	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2030.160.008	160	8;15,5	M22	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
2030.160.012	160	12,5;24	D23	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2030.160.015	160	15,5;30	D23	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
2030.160.020	160	20,5;40	M23	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
2030.160.030	160	30,5;60	B24	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2030.200.008	200	8;15,5	M23	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
2030.200.012	200	12,5;24	B24	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2030.200.015	200	15,5;30	B24	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
2030.200.020	200	20,5;40	G24	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
2030.200.030	200	30,5;60	M24	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000

Anelli distanziali a richiesta, vedi art. 8370
Spacers rings on request, see art. 8370



2035

TESTA PORTA COLTELLI PER CANALI (ELEMENTO AGGIUNTIVO) GROOVING CUTTERHEAD (ADDITIONAL SEGMENT)



APPLICAZIONE/APPLICATION:

Testa portacoltelli da abbinare agli articoli 2010.2030 per aumentare lo spessore del canale.
Cutterhead to be combined with items 2010 and 2030 increasing the groove thickness.

MACCHINA/MACHINE:

Toupie, siconciatrice, squadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 40 mm - esecuzione con 2 taglienti diritti.

Bore "d" from 30 to 40 mm - manufactured in one piece with 2 cutting edges only.

D. 120 mm - n= 7.000/10.000 min⁻¹

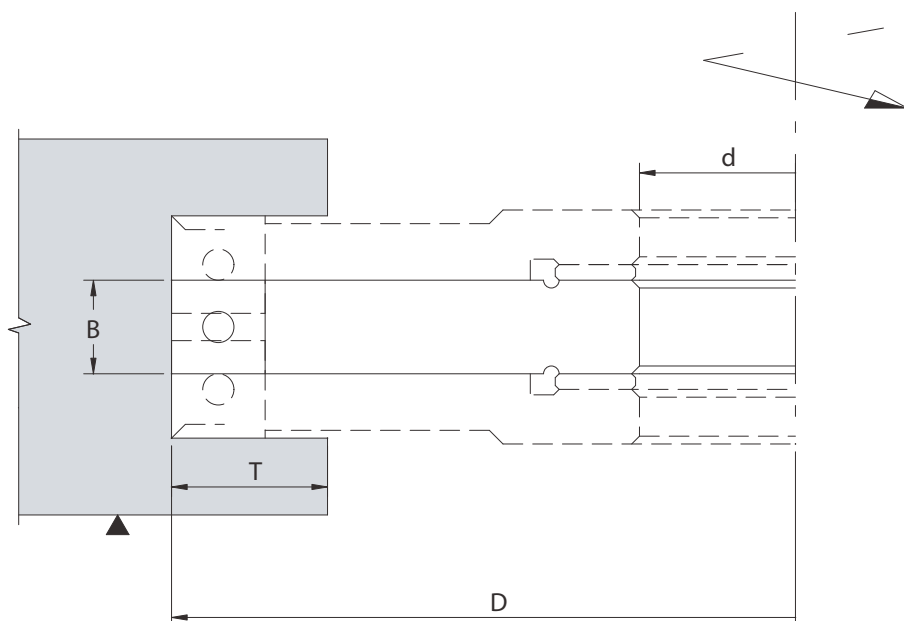
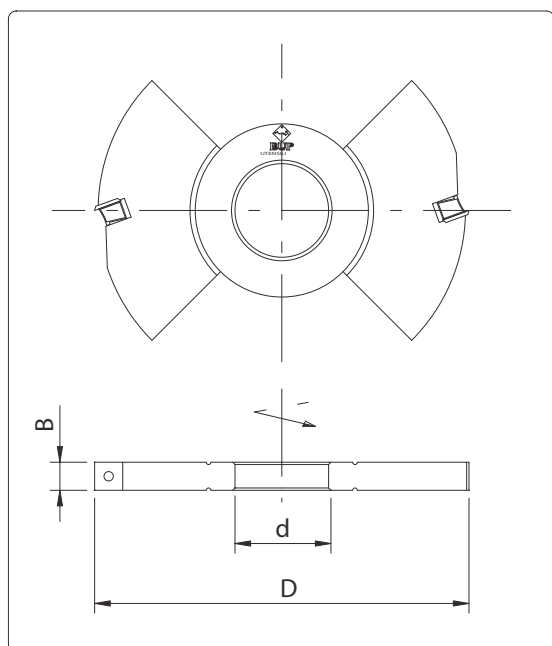
D. 160 mm - n= 5.500/9.000 min⁻¹

D. 200 mm - n= 4.500/7.500 min⁻¹

HW **Z=2** **MAN** Avanzamento manuale
Manual feed

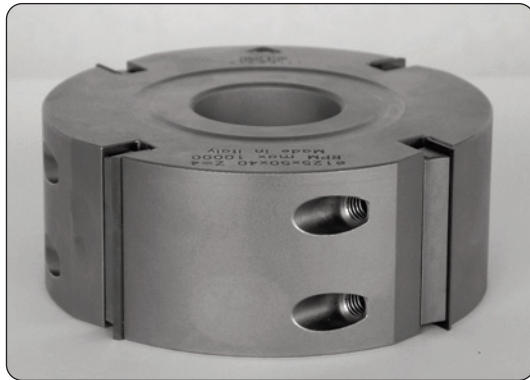
RICAMBI/Spare Parts

Codice Code	D	B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2035.120.008	120	7,65	G16	8105.076.012	8280.070.000	8285.006.000
2035.120.015	120	15	D17	8105.150.012	8280.130.000	8285.008.000
2035.160.008	160	7,65	F17	8105.076.012	8280.070.000	8285.006.000
2035.160.015	160	15	B18	8105.150.012	8280.130.000	8285.008.000
2035.200.008	200	7,65	E18	8105.076.012	8280.070.000	8285.006.000
2035.200.015	200	15	M18	8105.150.012	8280.130.000	8285.008.000



2060

TESTE PORTA COLTELLI PER CONTORNARE JOINTING CUTTERHEAD

**APPLICAZIONE/APPLICATION:**

Squadrare e contornare.
Panel jointing and countourning.

MACCHINA/MACHINE:

Toupie, scorniatrice, contornatrice, sqadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 50 mm - esecuzione con 4 taglienti diritti paralleli all'asse.
Bore "d" from 30 to 50 mm - manufactured in one piece with 4 straight cutting edges.

D. 125 - n= 6.200/10.000 min⁻¹

D. 160 - n= 5.000/8.500 min⁻¹

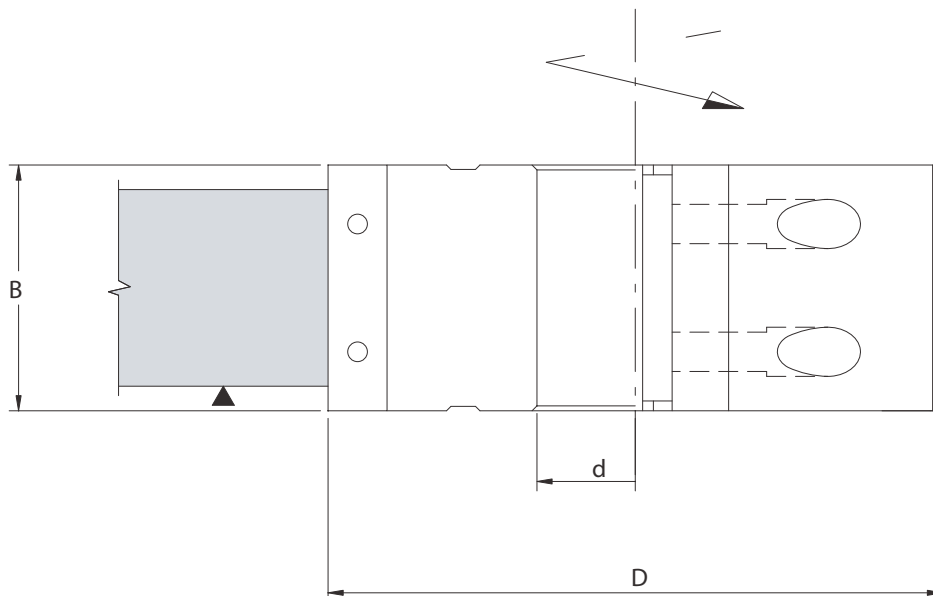
D. 180 - n= 4.500/7.000 min⁻¹

HW**Z=4****MAN**Avanzamento manuale
Manual feed**RICAMBI/Spare Parts**

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2060.125.030	125	30	L16	8105.300.012	8280.260.000	8285.008.000
2060.125.050	125	50	G17	8105.500.012	8280.460.000	8285.008.000
2060.125.060	125	60	E19	8105.600.012	8280.560.000	8285.008.000
2060.160.030	160	30	A18	8105.300.012	8280.260.000	8285.008.000
2060.160.050	160	50	H18	8105.500.012	8280.460.000	8285.008.000
2060.160.060	160	60	C20	8105.600.012	8280.560.000	8285.008.000
2060.180.030	180	30	E19	8105.300.012	8280.260.000	8285.008.000
2060.180.050	180	50	M19	8105.500.012	8280.460.000	8285.008.000
2060.180.060	180	60	B21	8105.600.012	8280.560.000	8285.008.000

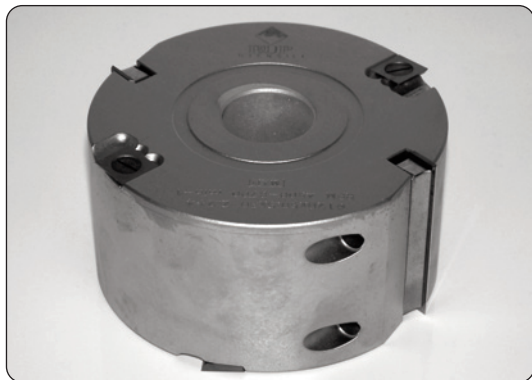
Teste Z=2 sconto 20% art. 2055/Cutterheads Z=2 art 2055 - discount 20%

Teste Z=6 aumento 20% art. 2065/Cutterheads Z=6 art 2065 - increase 20%



2085

TESTE PORTA COLTELLI PER BATTUTE RABBETING CUTTERHEAD



APPLICAZIONE/APPLICATION:

Eeguire battute, contornare ed incastri.
Joining and rabbetting of solid wood and panels.

MACCHINA/MACHINE:

Toupie, scorniciatrice, squadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 50 mm - esecuzione con 2 taglienti paralleli all'asse + 4 incisori.
Bore "d" from 30 to 50 mm - manufactured in one piece with 2 straight cutting edges and 4 spurs.

D. 100 - n= 9.000/15.000 min⁻¹

D. 125 - n= 6.200/10.000 min⁻¹

HW

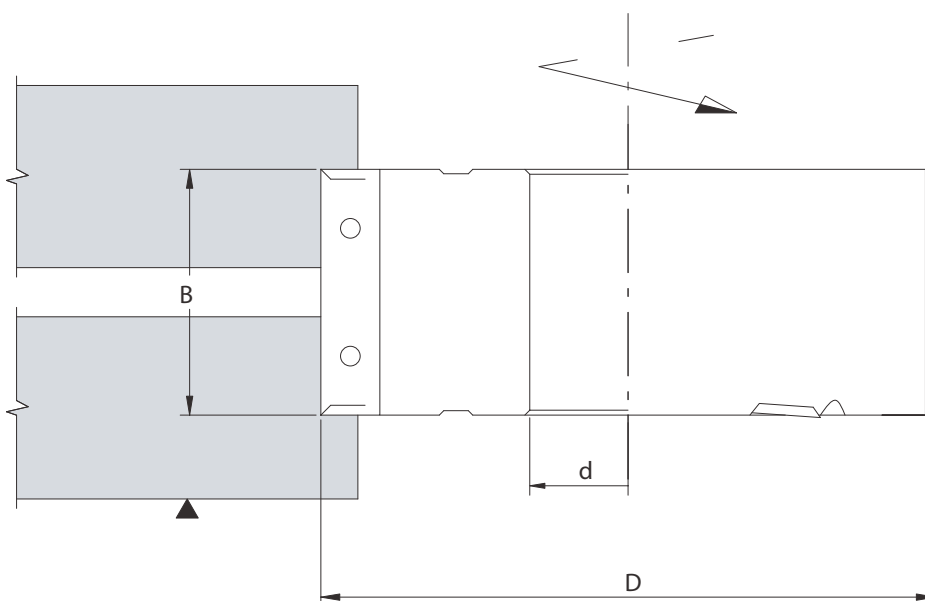
Z=2+4

MAN

Avanzamento manuale
Manual feed

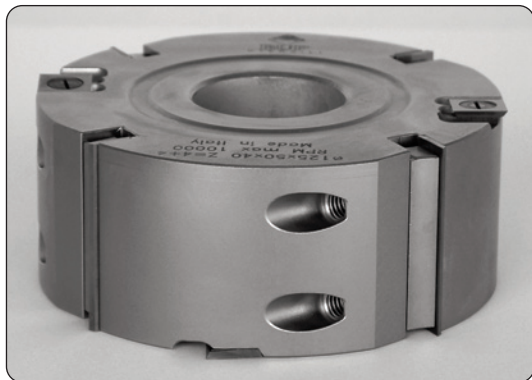
RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
2085.100.030	100	30,5	C17	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2085.100.050	100	50,5	L17	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2085.100.060	100	60,5	G19	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000
2085.125.030	125	30,5	E17	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2085.125.050	125	50,5	B18	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2085.125.060	125	60,5	M19	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000



2090

TESTE PORTA COLTELLI PER BATTUTE RABBETING CUTTERHEAD

**APPLICAZIONE/APPLICATION:**

Eseguire battute, contornare ed incastri.
Jointing and rabbetting of solid wood and panels.

MACCHINA/MACHINE:

Toupie, scorniatrice, sqadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 50 mm - esecuzione con 4 taglienti paralleli all'asse + 4 incroci.
Bore "d" from 30 to 50 mm - manufactured in one piece with 4 straight cutting edges and 4 spurs.

D. 125 - n= 6.200/10.000 min⁻¹

D. 150 - n= 5.300/9.200 min⁻¹

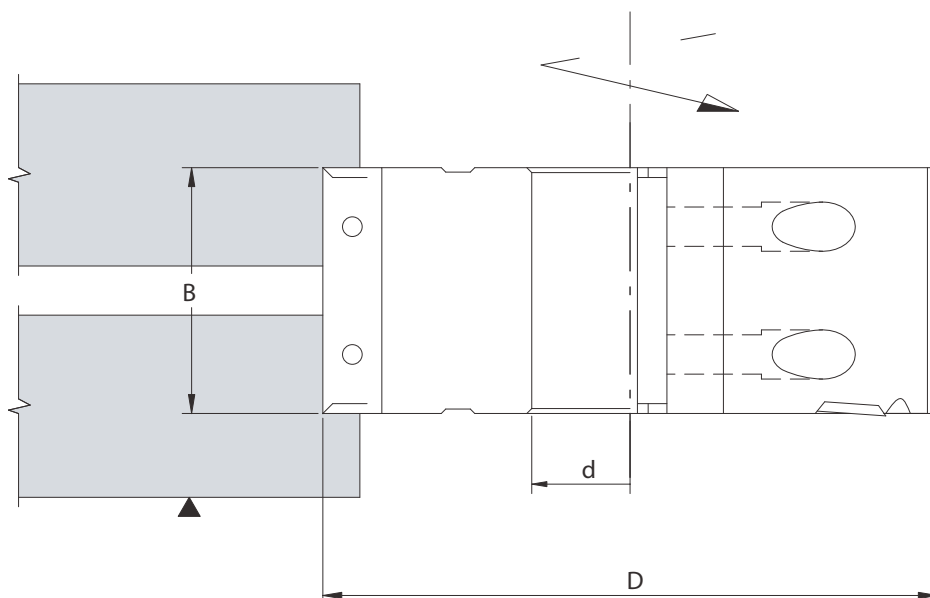
D. 180 - n= 4.400/7.500 min⁻¹

HW**Z=4+4****MAN**

Avanzamento manuale
Manual feed

RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
2090.125.030	125	30,5	F19	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2090.125.050	125	50,5	A20	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2090.125.060	125	60,5	B21	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000
2090.150.030	150	30,5	D20	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2090.150.050	150	50,5	H20	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2090.150.060	150	60,5	L21	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000
2090.180.030	180	30,5	B21	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2090.180.050	180	50,5	F21	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2090.180.060	180	60,5	H22	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000



2105

TESTE PORTA COLTELLI PER BATTUTE RABBETING CUTTERHEAD

**APPLICAZIONE/APPLICATION:**

Eseguire battute, contornare ed incastri.
Jointing and rabbetting of solid wood and panels.

MACCHINA/MACHINE:

Toupie, scorniatrice, sqadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 50 mm - esecuzione con 4 taglienti assialmente inclinati + 4 incisori.
Bore "d" from 30 to 50 mm - manufactured in one piece with 4 alternate shear cutting edges and 4 spurs.

D. 125 - n= 6.200/10.000 min⁻¹

D. 150 - n= 5.300/9.200 min⁻¹

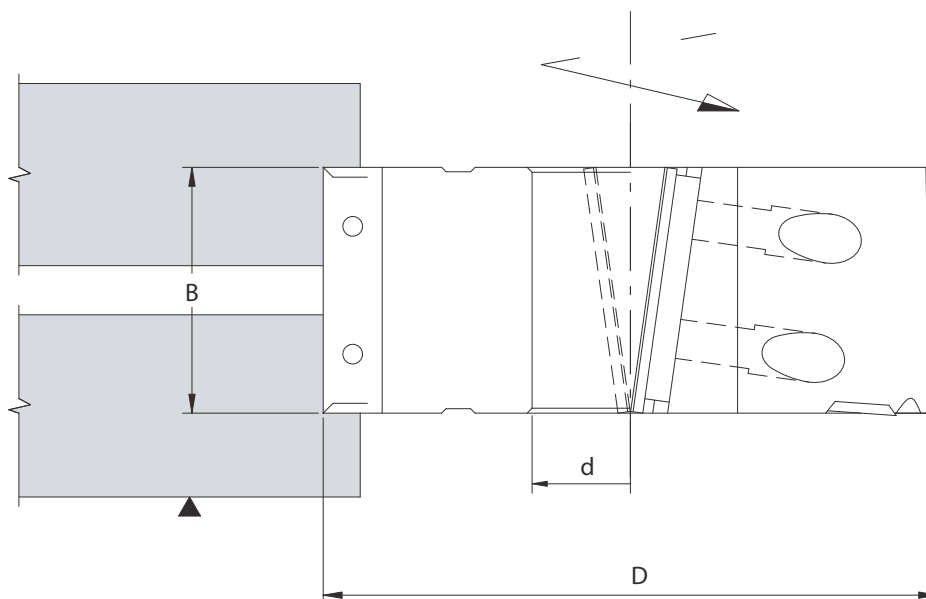
D. 180 - n= 4.400/7.500 min⁻¹

HW**Z=4+4****MAN**

Avanzamento manuale
Manual feed

RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
2105.125.030	125	30	B20	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2105.125.050	125	50	H20	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2105.125.060	125	60	M21	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000
2105.150.030	150	30	A21	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2105.150.050	150	50	E21	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2105.150.060	150	60	G22	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000
2105.180.030	180	30	M21	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
2105.180.050	180	50	C22	8105.500.012	8280.460.000	8285.008.000	8120.140.002	8295.005.000
2105.180.060	180	60	F23	8105.600.012	8280.560.000	8285.008.000	8120.140.002	8295.005.000



2120

TESTE PORTA COLTELLI PER CONTORNARE JOINTING CUTTERHEAD



HW **Z=3+3** **MAN** Avanzamento manuale
Manual feed

APPLICAZIONE/APPLICATION:

Squadrare e contornare pannelli in truciolare o MDF nobilitati senza scheggiature sui bordi superiore e inferiore.
Jointing and countourning of veneer MDF or chipboard panels with perfect finishing on both top and bottom faces.

MACCHINA/MACHINE:

Toupie, sqadratrici e bordatrici/Shapers, edge banders. double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con Z= 3 + 3 coltelli reversibili con angolo assiale contrapposto - corpo fresa costruito in lega leggera ERGAL ad alta resistenza.

Manufactured in one piece with 3+3 alternate shear cutting edges. Cutter body made by high resistance ERGAL light alloy.

D. 100 - n= 7.000/12.000 min⁻¹

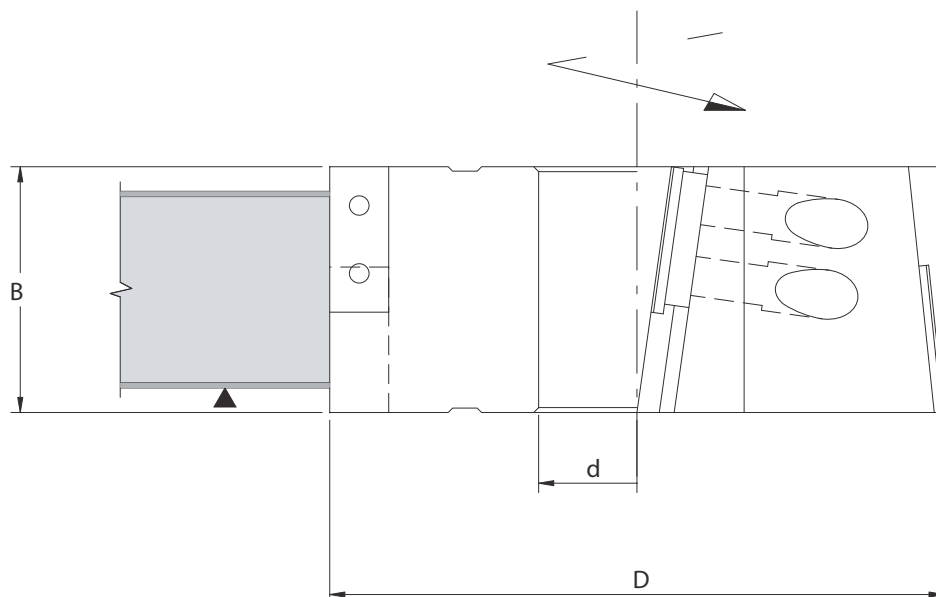
D. 125 - n= 6.000/10.500 min⁻¹

D. 150 - n= 5.200/8.900 min⁻¹

D. 180 - n= 4.000/8.000 min⁻¹

				RICAMBI/Spare Parts		
Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2120.100.056	100	56	F25	8105.300.012	8280.260.000	8285.008.000
2120.125.056	125	56	C26	8105.300.012	8280.260.000	8285.008.000
2120.150.056	150	56	L26	8105.300.012	8280.260.000	8285.008.000
2120.180.056	180	56	E27	8105.300.012	8280.260.000	8285.008.000

Esecuzione con corpo in acciaio aumento 20%/Steel body cutter increase 20%



2135

TESTE PORTA COLTELLI componibili per piallare STACKEABLE SHAPING AND PLANING CUTTERHEADS



HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Piallare e contornare legni duri e teneri, pannelli compositi come truciolare ed MDF.
Jointing and shaping of hard or soft solid wood, MDF or chipboard panels.

MACCHINA/MACHINE:

Piallatrici e scorniciatrici/Shapers and moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

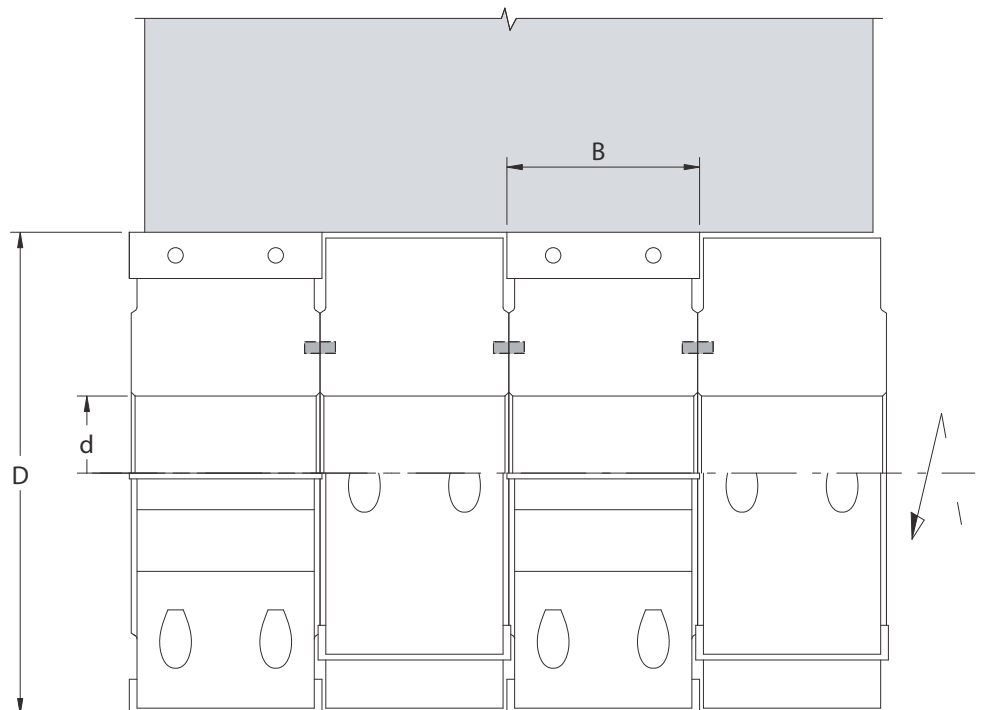
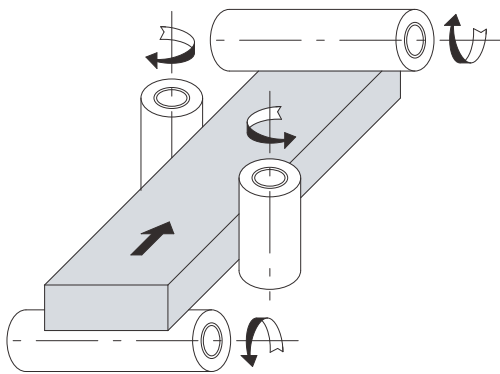
Foro "d" da 30 a 50 mm - costruzione standard con corpo in lega leggera speciale ERGAL ad alta resistenza - possibilità di comporre l'altezza di taglio desiderata utilizzando diversi elementi - sovrapposizione taglienti 2 mm - coltelli hm reversibili smussati alle estremità per una migliore finitura.

Bore "d" from 30 to 50 mm. Manufactured with 4 straight cutting edges. Cutter body made by high resistance ERGAL light alloy. Cutterheads can be stacked and pinned together to cut various wood thickness. Reversible carbide knives with bevelled corners for a better finishing, knives overlaps for 2 mm.
n max 9.000 min⁻¹

RICAMBI/Spare Parts

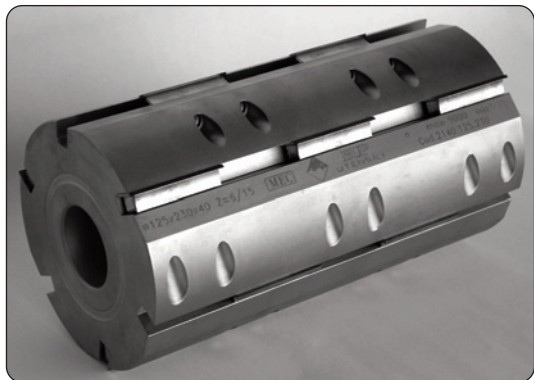
Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2135.125.020	125	20	L19	8025.200.012	8282.160.000	8285.008.000
2135.125.030	125	30	A20	8025.300.012	8282.260.000	8285.008.000
2135.125.050	125	50	D20	8025.500.012	8282.460.000	8285.008.000

Esecuzione con corpo in acciaio aumento 20%/Steel body cutter increase 20%



2140

TESTE PORTA COLTELLI PER PIALLARE PLANING CUTTERHEADS



APPLICAZIONE/APPLICATION:

Piallare e contornare legni duri e teneri, pannelli compositi come truciolare ed MDF.
Planing of hard or soft solid wood, MDF or chipboard panels.

MACCHINA/MACHINE:

Piallatrici e scorniciatrici/*Moulders and four sided planers.*

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

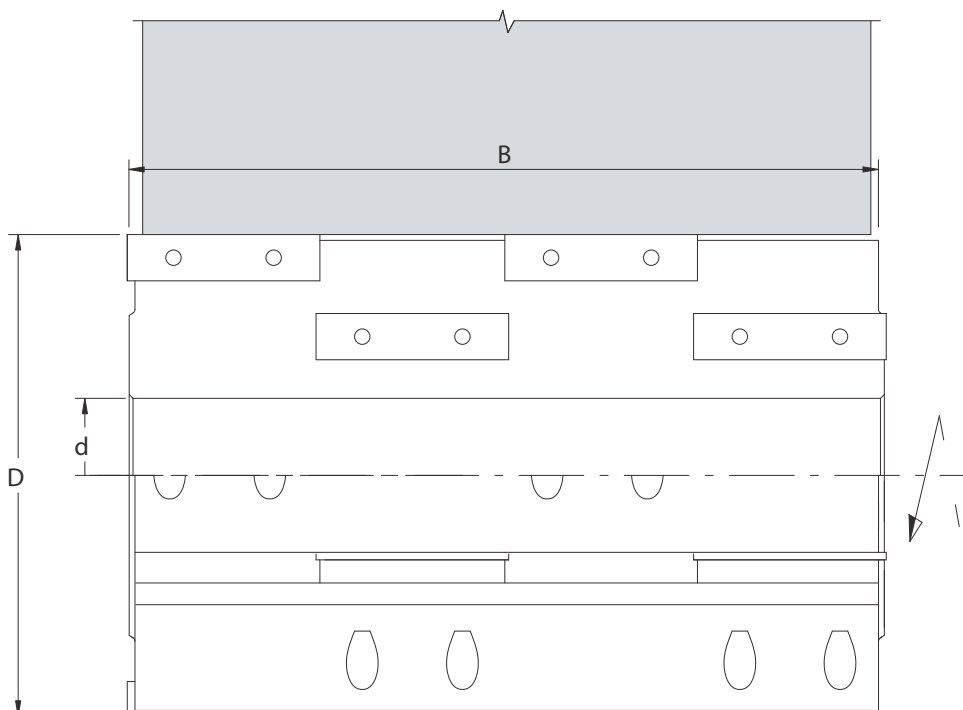
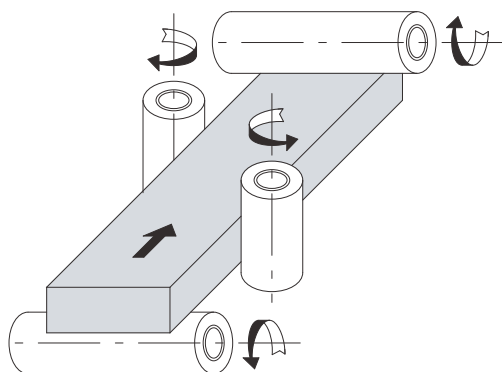
Foro "d" da 30 a 40 mm - costruzione standard con corpo in lega leggera speciale ERGAL ad alta resistenza - esecuzione con tagliente frazionato - coltelli hm reversibili mm 50x12x1,5 smussati alle estremità per una migliore finitura.
Bore "d" from 30 to 40 mm. Manufactured with 6 staggered cutting edges. Cutter body made by high resistance ERGAL light alloy.. Reversible carbide knives mm 50x12x1,5 with bevelled corners for a better finishing.
n max 9.000 min⁻¹

HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

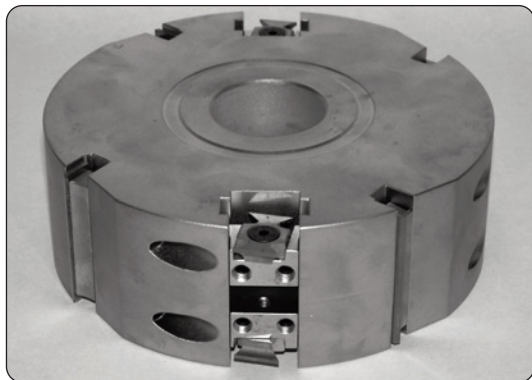
Codice <i>Code</i>	D <i>D</i>	B <i>B</i>	Cod. Prezzo <i>Price Code</i>	Coltello nr. <i>Knife nr.</i>	Cuneo <i>Wedge</i>	Vite <i>Screw</i>
2140.125.095	125	95	G24	8025.500.012 (6)	8280.460.000	8285.008.000
2140.125.145	125	145	F26	8025.500.012 (9)	8280.460.000	8285.008.000
2140.125.190	125	190	M28	8025.500.012 (12)	8280.460.000	8285.008.000
2140.125.230	125	230	C31	8025.500.012 (15)	8280.460.000	8285.008.000

Esecuzione con corpo in acciaio aumento 20%/Steel body cutter increase 20%



2145

TESTE PER CONTORNARE CON LEVASPIGOLI REGOLABILI JOINTING CUTTERHEADS WITH ADJUSTABLE EDGEBREAKERS



APPLICAZIONE/APPLICATION:

Piallare e contornare realizzando smussature o raggiate su diversi spessori di legno.
For jointing, corner rounding and chamfering on different panel thickness.

MACCHINA/MACHINE:

Toupie, scorniciatrice, sqadratrice doppia.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 30 a 40 mm - costruzione standard con corpo in lega leggera speciale ERGAL ad alta resistenza - esecuzione con 4 taglienti diritti e 4 levaspigoli regolabili sullo spessore.

Bore "d" from 30 to 40 mm. Manufactured with 4 straight cutting edges and 4 adjustable edgebreakers.. Cutter body made by high resistance ERGAL light alloy.

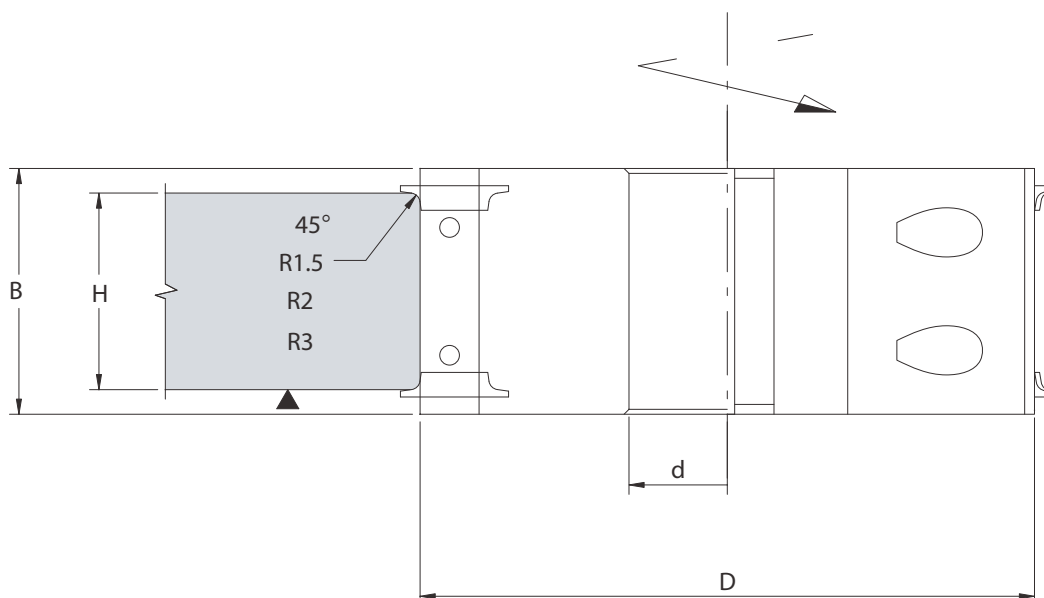
D. 125 - n= 6.000/11.000 min⁻¹

D. 140 - n= 5.500/10.500 min⁻¹

HW **Z=4+4** **MAN** Avanzamento manuale
Manual feed

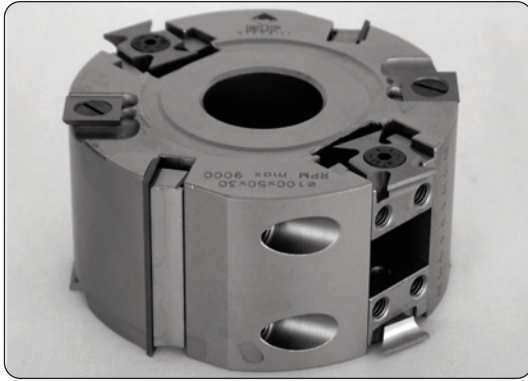
RICAMBI/Spare Parts

Codice Code	D D	B B	H H	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Spigolatore Edge-breaker	Vite Screw
2145.125.050	125	50	50	E26	8105.500.012	8280.460.000	8285.008.000	8131-8132	8300.005.000
2145.125.060	125	60	60	M26	8105.600.012	8280.560.000	8285.008.000	8131-8132	8300.005.000



2150

TESTE PER CONTORNARE CON LEVASPIGOLI REGOLABILI JOINTING CUTTERHEADS WITH ADJUSTABLE EDGEBREAKERS



APPLICAZIONE/APPLICATION:

Contornare realizzando smussature o raggiature, battute e incastri.
For jointing, rabbeting, corner rounding and chamfering on different panel thickness.

MACCHINA/MACHINE:

Toupie/Shapers.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

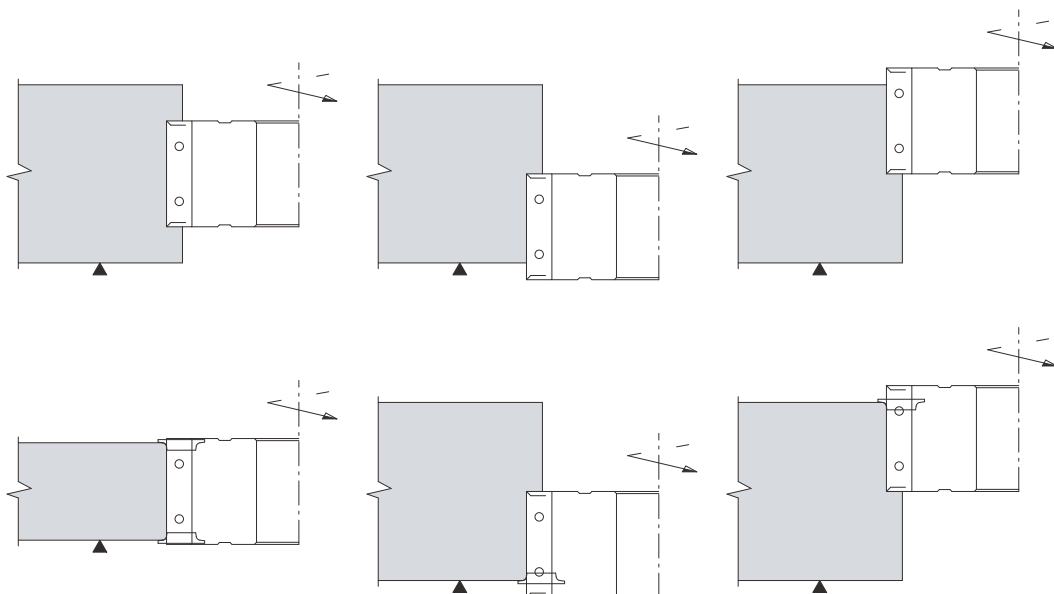
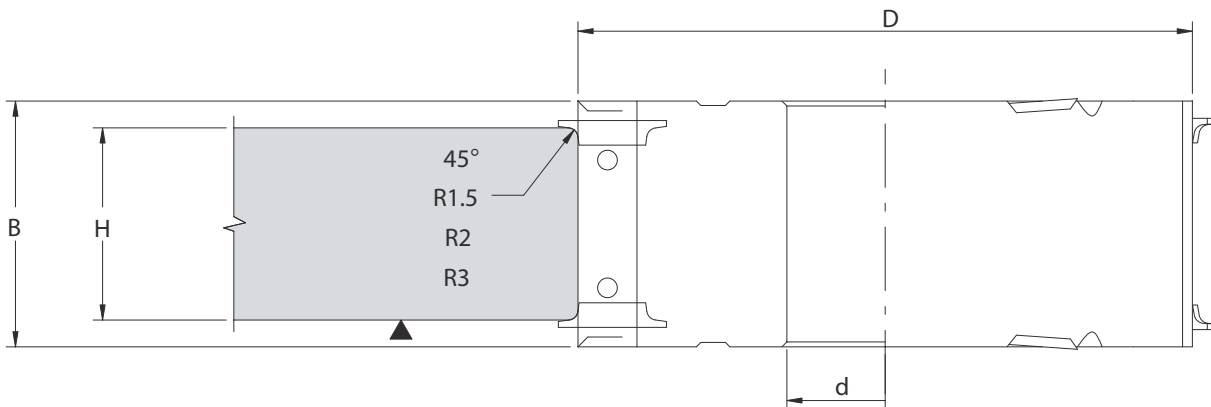
Esecuzione con coltelli intercambiabili in HW integrale micrograno corpo in acciaio ad alta resistenza. Esecuzione con due taglienti, 4 incisori e 4 spigolatori regolabili sullo spessore foro "d" max 50 mm.
Bore "d" MAX 50 mm. Manufactured with solid carbide micrograin reversible knives; 2 straight cutting edges, 4 adjustable edgebreakers and 4 spurs. Cutter body made by high tensile steel.

n= 6.000/11.000 min⁻¹

HW **Z=2+4+4** **MAN** Avanzamento manuale
Manual feed

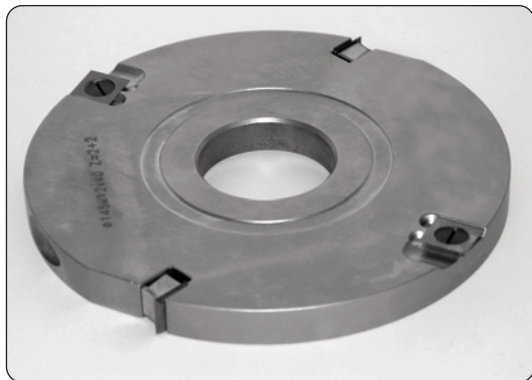
RICAMBI/Spare Parts

Codice Code	D D	B B	H H	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Raggiatore Edge-breaker	Incisore Spur
2150.125.050	125	50	45	D28	8105.500.012	8280.460.000	8285.008.000	8131-8132	8120.140.002
					Vite incisore Spur screw	Vite spigolatore Edge-breaker screw			
					8295.005.000	8300.005.000			



2165

TESTE PORTA COLTELLI PER PIANI SCANALATI GUIDING GROOVE CUTTERHEADS



HW MEC Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Eseguire prepallatura con canali guida su scorniciatrici.
Cutting of guide grooves on moulders.

MACCHINA/MACHINE:

Scorniciatrici con piano scanalato/*Moulders with grooved bed.*

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

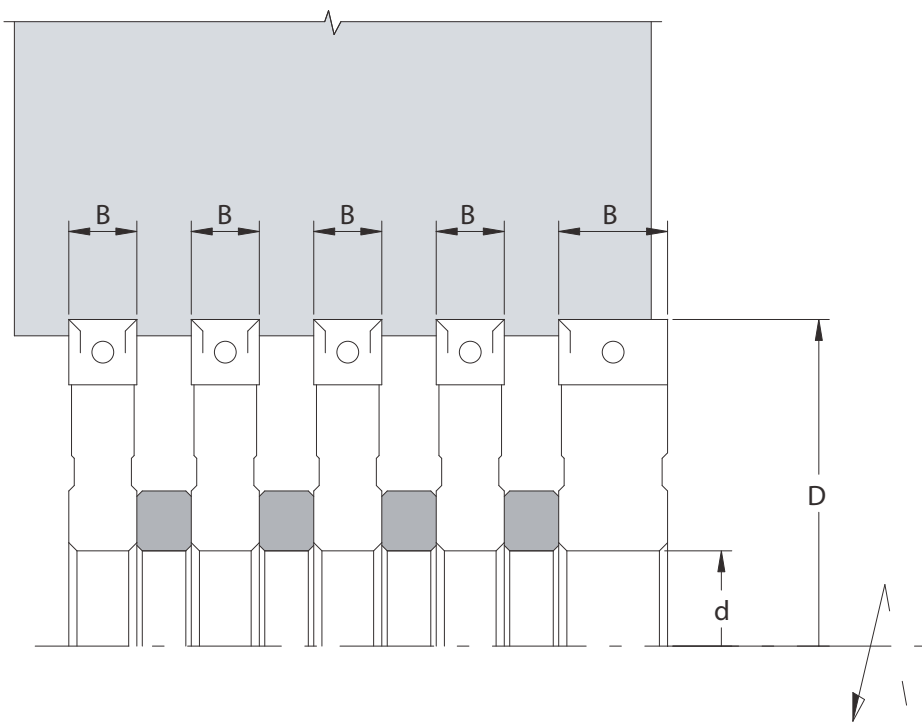
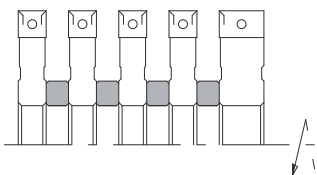
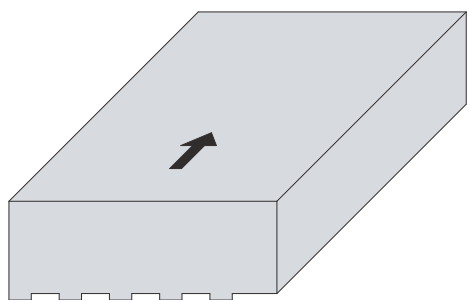
Foro "d" da 35 a 50 mm - esecuzione con due taglienti dritti ed incisori laterali per legni teneri e duri lungovena - in base al tipo di macchina ed alla larghezza di lavorazione verranno composti gruppi di utensili completi e distanziali.
Bore "d" from 35 to 50 mm. Manufactured with solid carbide micrograin reversible knives; 2 straight cutting edges and 4 side spurs for solid wood with the grain. It is possible to set up different compositions of tools and spacers depending on the machine.

D. 120-125 - n= 6.000/11.000 min⁻¹

D. 140-145 - n= 5.500/9.500 min⁻¹

RICAMBI/Spare Parts

Codice Code	D D	B B	Z Z	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
2165.120.012	120	12,5	2+4	G18	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2165.145.020	145	20	2+2	D19	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
2165.125.009	125	9	2+4	G18	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
2165.125.010	125	10	2+4	G18	8105.096.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
2165.125.012	125	12,5	2+4	G18	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2165.125.020	125	20	2+2	D19	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
2165.140.012	140	12,5	2+4	G18	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2165.140.020	140	20	2+2	D19	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000



2175

TESTE PORTA COLTELLI PER CONTORNARE JOINTING SPIRAL CUTTERHEADS



HW **Z=4** **MAN** Avanzamento manuale
Manual feed

APPLICAZIONE/APPLICATION:

Eseguire contornature su legni teneri e duri con forte asportazione di truciolo.
Jointing and shaping of hard or soft solid wood with big chip evacuation.

MACCHINA/MACHINE:

Toupie, scorniatrici/Shapers and moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Foro "d" da 35 a 40 mm - esecuzione con coltelli intercambiabili mm 12x12x1,5
- con tagliente frazionato permette sgrossature con ottima velocità di avanzamento ed ottimo scarico del truciolo. Costruzione con corpo in lega leggera ERGAL.

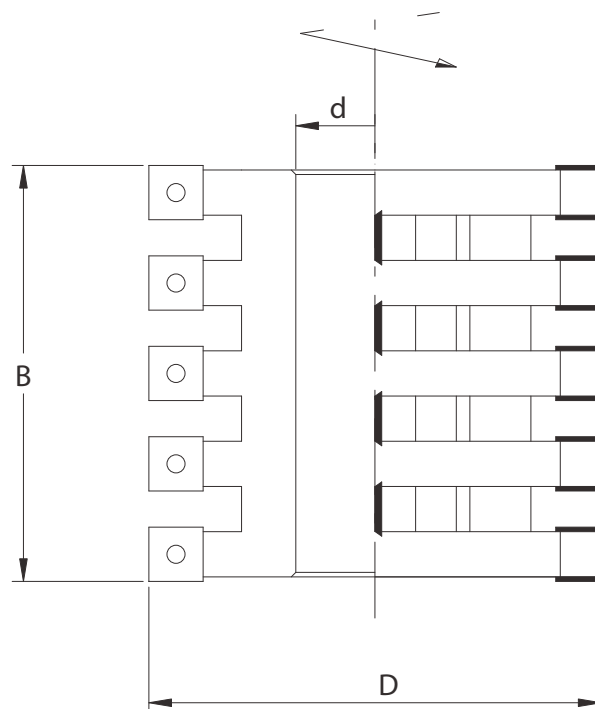
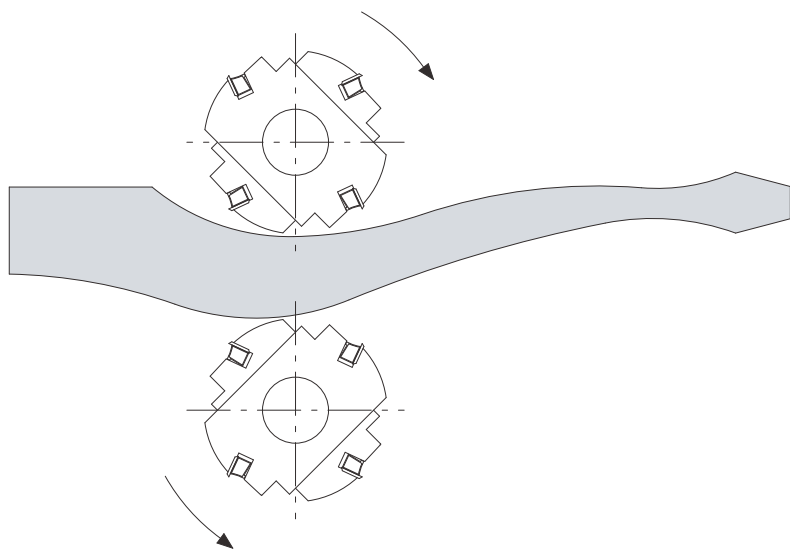
Bore "d" from 35 to 40 mm. Manufactured with solid carbide micrograin reversible knives mm 12x12x1,5. With staggered spiral cutting edges, high feed speed and very good chip evacuation. Cutter body made by high resistance ERGAL light alloy.

D. 100 - n= 8.000/13.500 min⁻¹

D. 125 - n= 6.000/10.500 min⁻¹

RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	nr. nr.	Cuneo Wedge	Vite Screw
2175.100.060	100	60	A28	8105.120.012	(12)	8280.100.000	8285.008.000
2175.100.082	100	82	G28	8105.120.012	(16)	8280.100.000	8285.008.000
2175.100.104	100	104	D29	8105.120.012	(20)	8280.100.000	8285.008.000
2175.125.060	125	60	G28	8105.120.012	(12)	8280.100.000	8285.008.000
2175.125.082	125	82	D29	8105.120.012	(16)	8280.100.000	8285.008.000
2175.125.104	125	104	A30	8105.120.012	(20)	8280.100.000	8285.008.000



2180

TESTE PORTA COLTELLI PER PIALLARE PLANING SPIRAL CUTTERHEADS



HW **Z=3** **MEC** Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Prepiallatura su legni teneri e duri con elevata asportazione di truciolo ad alte velocità di avanzamento.

Preplaning on 1st bottom spindle of hard or soft solid wood with highchip evacuation and high feed speed.

MACCHINA/MACHINE:

Scorniciatrici/Moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Costruzione con corpo in lega leggera ERGAL; con coltelli intercambiabili in HW mm 30x12x1,5 smussati alle estremità per una migliore finitura - esecuzione a 3 principi con andamento elicoidale.

Manufactured with solid carbide micrograin reversible knives mm 30x12x1,5 with bevelled corners for better finishing. With staggered spiral cutting edges Z.3.

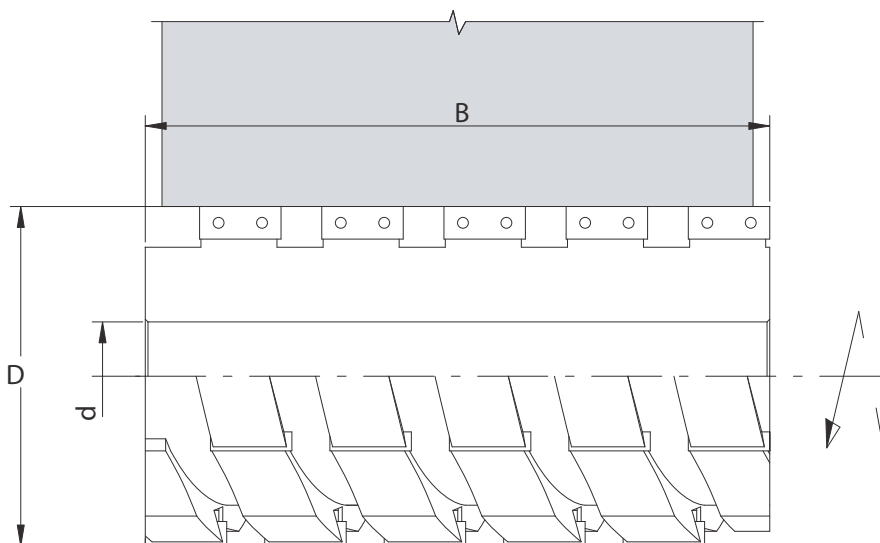
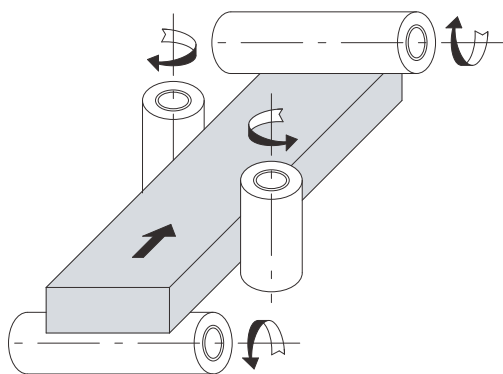
Cutter body made by high resistance ERGAL light alloy.

D. 125 - foro "d" max 40 - n. max 8.500 min⁻¹

D. 140 - foro "d" max 50 - n. max 6.500 min⁻¹

RICAMBI/Spare Parts

Codice Code	D D	B B	Z Z	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2180.125.118	125	118	3/15	B27	8025.300.012	8280.260.000	8285.008.000
2180.125.140	125	140	3/18	E29	8025.300.012	8280.260.000	8285.008.000
2180.125.184	125	184	3/24	G33	8025.300.012	8280.260.000	8285.008.000
2180.125.230	125	230	3/30	F34	8025.300.012	8280.260.000	8285.008.000
2180.140.118	140	118	3/15	F28	8025.300.012	8280.260.000	8285.008.000
2180.140.140	140	140	3/18	M29	8025.300.012	8280.260.000	8285.008.000
2180.140.184	140	184	3/24	A34	8025.300.012	8280.260.000	8285.008.000
2180.140.230	140	230	3/30	F35	8025.300.012	8280.260.000	8285.008.000



2185

TESTE PORTA COLTELLI PER TENONARE TENONING SPIRAL CUTTERHEADS

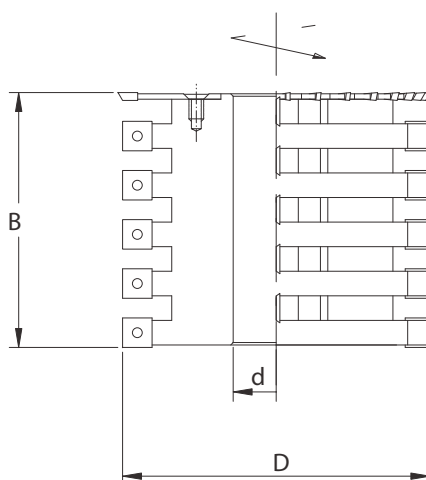
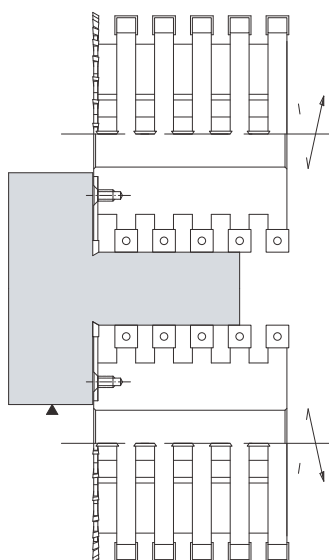
**APPLICAZIONE/APPLICATION:**Eseguire tenonature su legni teneri e duri/*Tenoning of hard or soft solid wood.***MACCHINA/MACHINE:**Tenonatrici/*Tenoners.***INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:**

Costruzione con corpo in lega leggera ERGAL; con coltelli intercambiabili in HW mm 20x12x1,5 smussati alle estremità e lama incisore - l'utensile permette lavorazioni ad alta velocità; consente di lavorare controvena con buona finitura e senza scheggiature. *Manufactured with solid carbide micrograin reversible knives mm 20x12x1,5 with bevelled corners for better finishing. With staggered spiral cutting edges Z.3 and scoring saw blade. Cutter body made by high resistance ERGAL light alloy.*

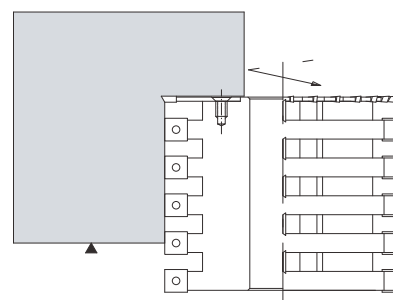
D. 125 - foro "d" max 40 - n. max 8.500 min⁻¹**D. 150 - foro "d" max 50 - n. max 6.500 min⁻¹****HW** **Z=3** **MEC** Avanzamento meccanico
*Mechanical feed***RICAMBI/Spare Parts**

Codice Code	D D	B B	Z Z	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2185.125.100	125	100	18	B31	8025.200.012	8280.160.000	8285.008.000
2185.125.140	125	140	24	M32	8025.200.012	8280.160.000	8285.008.000
2185.125.180	125	180	30	M34	8025.200.012	8280.160.000	8285.008.000
2185.150.100	150	100	18	G31	8025.200.012	8280.160.000	8285.008.000
2185.150.140	150	140	24	G33	8025.200.012	8280.160.000	8285.008.000
2185.150.180	150	180	30	E35	8025.200.012	8280.160.000	8285.008.000

Esecuzione di tenoni

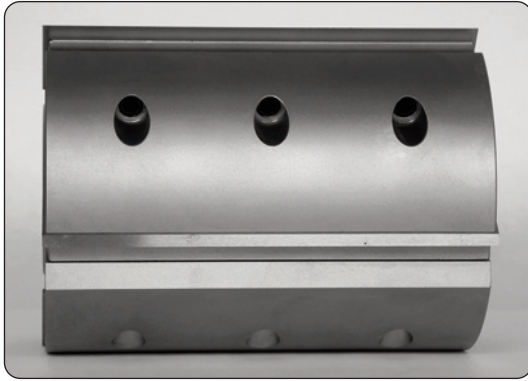


Esecuzione di battute



2195

TESTE PORTA COLTELLI PER PIALLARE PLANING CUTTERHEADS



APPLICAZIONE/APPLICATION:

Piallare su legni teneri o duri/*Planing of hard or soft solid wood.*

MACCHINA/MACHINE:

Scorniatrici/*Moulders and four sided planers.*

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione standard con corpo in lega leggera ERGAL resistente nelle misure indicate in tabella - l'utensile viene fornito completo di coltelli in HSS mm 25x3 (D.100) e mm 30x3 (D.125), ma si possono utilizzare anche coltelli con riporto in HW.

Cutter body made by high resistance ERGAL light alloy. Supplied with HS knives mm 25x3 on D.100 and 30x3 on D. 125. Tungsten carbide knives (art. 8005) also possible to be used.

D. 100 - n. max 9.000 min⁻¹

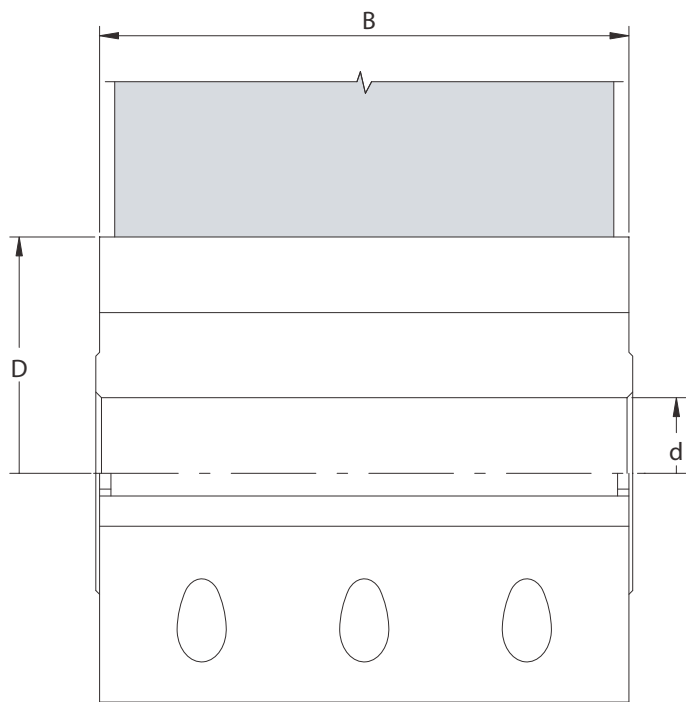
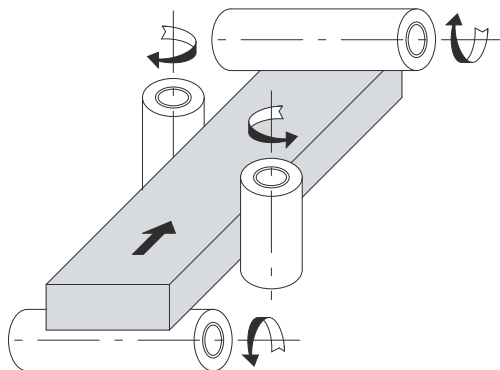
D. 125 - n. max 7.000 min⁻¹

HS MEC Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

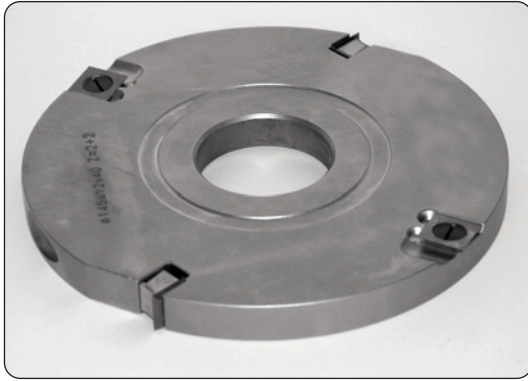
Codice Code	D D	B B	d d	Z Z	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2195.100.120	100	120	35	3	L20	8005/8015	8283.100.000	8285.008.001
2195.100.130	100	130	35	3	A21	8005/8015	8283.130.000	8285.008.001
2195.100.180	100	180	35	3	A23	8005/8015	8283.180.000	8285.008.001
2195.100.190	100	190	35	3	E23	8005/8015	8283.190.000	8285.008.001
2195.125.100	125	100	40	4	E21	8005/8015	8283.100.000	8285.008.001
2195.125.120	125	120	40	4	B22	8005/8015	8283.120.000	8285.008.001
2195.125.130	125	130	40	4	C22	8005/8015	8283.130.000	8285.008.001
2195.125.140	125	140	40	4	F22	8005/8015	8283.140.000	8285.008.001
2195.125.150	125	150	40	4	A23	8005/8015	8283.150.000	8285.008.001
2195.125.170	125	170	40	4	D24	8005/8015	8283.17.000	8285.008.001
2195.125.180	125	180	40	4	F24	8005/8015	8283.180.000	8285.008.001
2195.125.190	125	190	40	4	H24	8005/8015	8283.190.000	8285.008.001
2195.125.220	125	220	40	4	H25	8005/8015	8283.220.000	8285.008.001
2195.125.230	125	230	40	4	A26	8005/8015	8283.230.000	8285.008.001
2195.125.240	125	240	40	4	H26	8005/8015	8283.240.000	8285.008.001
2195.125.250	125	250	40	4	M26	8005/8015	8283.250.000	8285.008.001

Esecuzione con corpo in acciaio aumento 20% (art. 2190)
Steel body cutter increase 20% (art. 2190)



2200

TESTA RASANTE PER ALBERO PRE-PIALLA PRE-GROOVING CUTTERHEAD



APPLICAZIONE/APPLICATION:

Testa rasante da accoppiare a teste pialla art. 2190 e 2195.
Pre-grooving cutterhead to be used with planing cutters art. 2190 and 2195.

MACCHINA/MACHINE:

Scorniatrici/Moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

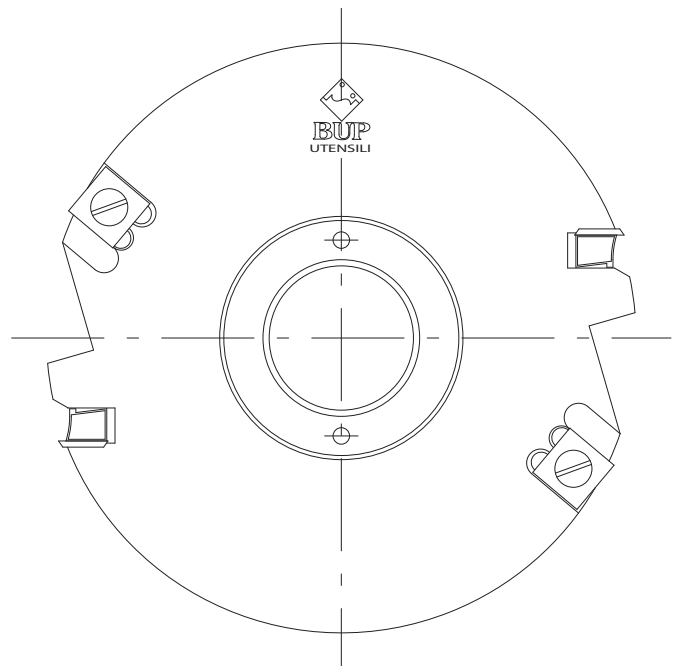
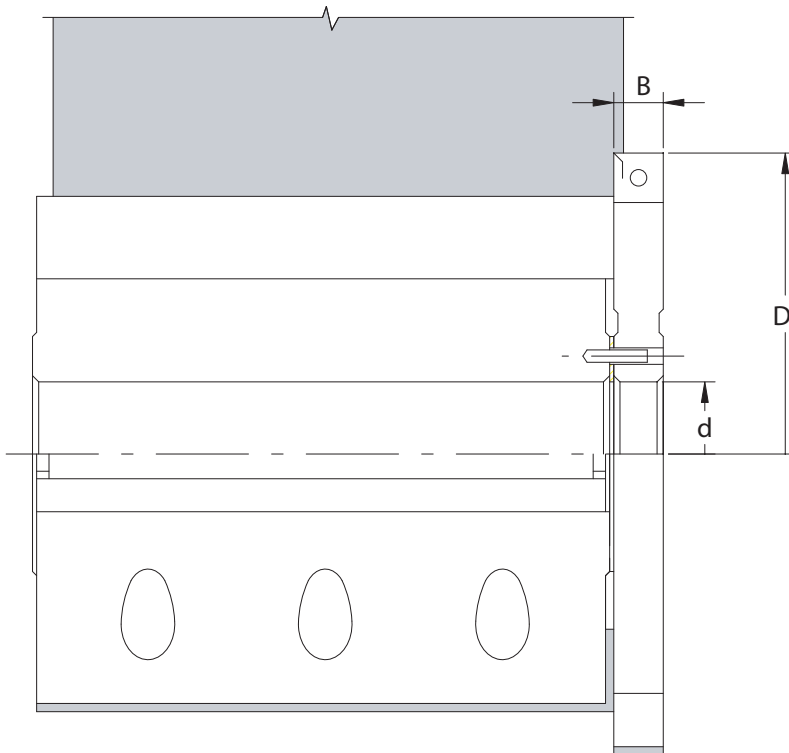
Costruzione con corpo in acciaio a 2 taglienti diritti e 2 incisori.
Cutter body made by high tensile steel. With solid carbide micrograin reversible knives, 2 cutting edges and 2 spurs.

D. 125 - n. max 11.000 min⁻¹
D. 145 - n. max 9.000 min⁻¹

HW **Z=2+2** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Code	D D	B B	d d	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
2200.125.012	125	12	35	D19	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
2200.145.012	145	12	40	B19	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000





APPLICAZIONE/APPLICATION:

Esecuzione di profili sagomati su legno massiccio.
Profiling of solid wood.

MACCHINA/MACHINE:

Scorniatrice e Toupie con avanzamento meccanico.
Moulders and shapers with mechanical feed.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Teste porta coltelli zigrinati con corpo in acciaio. Si costruiscono con 2 o 4 taglienti diritti. L'utensile viene fornito privo di coltelli.

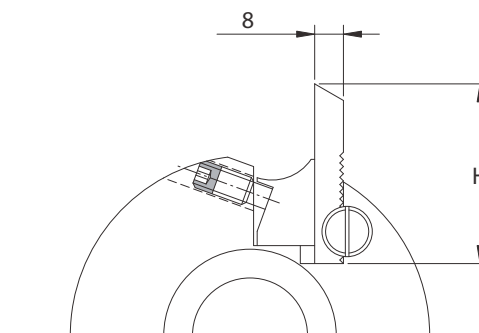
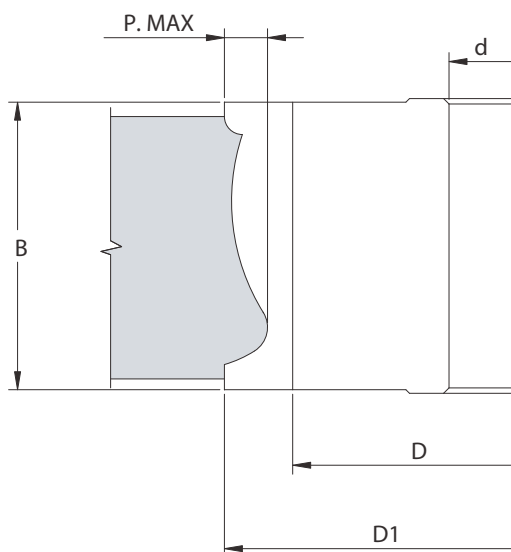
Cutter body made by high tensile steel. Manufactured with 4 straight cutting edges. Supplied without knives.

n. max 9.000 min⁻¹

HW MEC Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

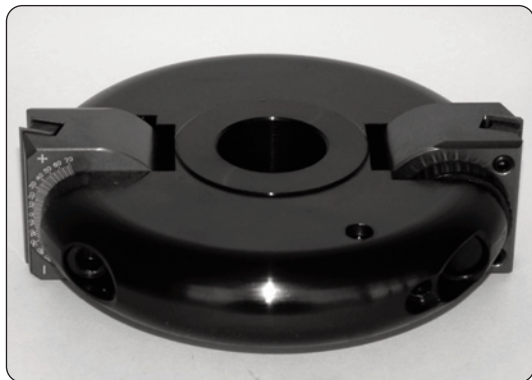
Codice Code	D D	B B	d d	Z Z	Cod. Prezzo Price Code	Coltello Knife
2202.122.060	122	60	30/35/40	4	H23	8018/8019
2202.122.080	122	80	30/35/40	4	B25	8018/8019
2202.122.100	122	100	30/35/40	4	D26	8018/8019
2202.122.130	122	130	30/35/40	4	M27	8018/8019
2202.122.150	122	150	30/35/40	4	A29	8018/8019
2202.122.180	122	180	30/35/40	4	G30	8018/8019
2202.122.230	122	230	30/35/40	4	M33	8018/8019
2202.137.060	137	60	30/35/40	4	L24	8018/8019
2202.137.100	137	100	30/35/40	4	M27	8018/8019
2202.137.130	137	130	30/35/40	4	G29	8018/8019
2202.137.150	137	150	30/35/40	4	M30	8018/8019
2202.137.180	137	180	30/35/40	4	C32	8018/8019



H H	P. max P. max	D D	D1 D1
50	12	122	160
50	12	137	175
60	20	122	180
60	20	137	195
70	30	122	200
70	30	137	215

2205

TESTE PORTA COLTELLI PER SMUSSI REGOLABILI MULTI-ANGLE CUTTERHEADS



HW **Z=2** **MAN** Avanzamento manuale
Manual feed

APPLICAZIONE/APPLICATION:

Eseguire smussi con angolazione variabile di grado in grado da 0° a 70°.
Jointing and chamfering with adjustable angle from 0° to 70°.

MACCHINA/MACHINE:

Toupie, scorniciatrici.
Shapers, moulders and double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con corpo in acciaio resistente - realizzata con 2 taglienti diritti, utilizza coltelli reversibili in hm mm 50x12x1,5.

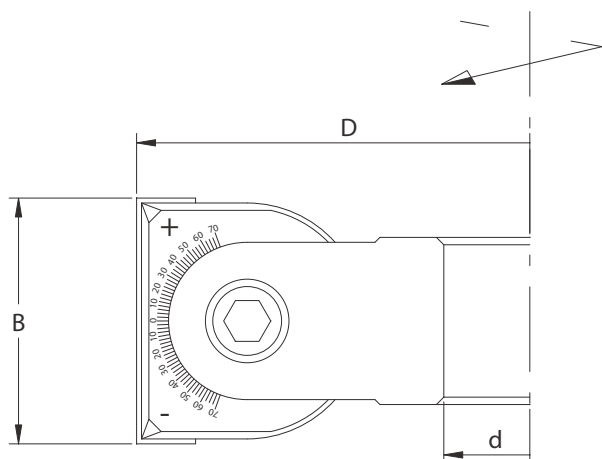
Cutter body made by high tensile steel. Manufactured with 2 cutting edges progressively adjustable from 0° to 70°. It use solid carbide micrograin reversible knives mm 50x12x1,5.

D. 160 - d 30/35/40 mm - n. 5.000/7.500 min⁻¹

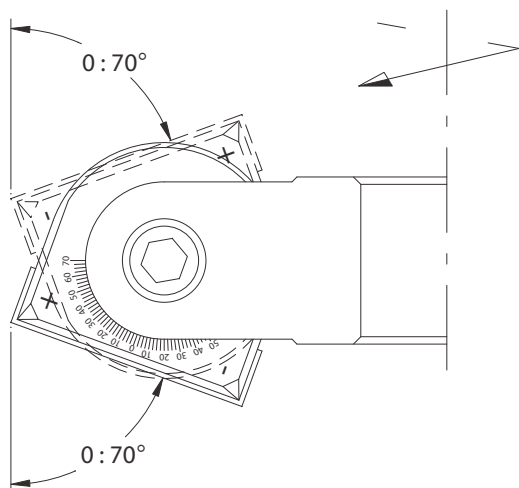
D. 170 - d 50 mm - n. 4.700/7.000 min⁻¹

RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2205.160.050	160	50	D30	8105.500.012	8280.470.000	8285.006.001
2205.170.050	170	50	C31	8105.500.012	8280.470.000	8285.006.001

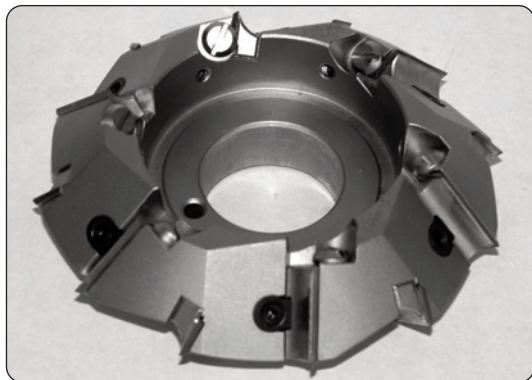


5°	B max 48 mm
15°	B max 46 mm
30°	B max 41 mm
45°	B max 33 mm
60°	B max 23 mm
70°	B max 15 mm



2210

TESTE PORTA COLTELLI PER FOULDING V-GROOVE CUTTERHEADS



APPLICAZIONE/APPLICATION:

Esecuzione di tagli su pannelli in truciolare nobilitato per assemblaggio con sistema Folding/V-grooving of MDF of chipboard PVC coated panels for folding assembly system.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con corpo in lega leggera speciale ERGAL - con coltelli intercambiabili in hm a gettare mm 30x12x1,5 affilati in testa per ottenere un ottima finitura ed un perfetto assemblaggio del pezzo a 90°.

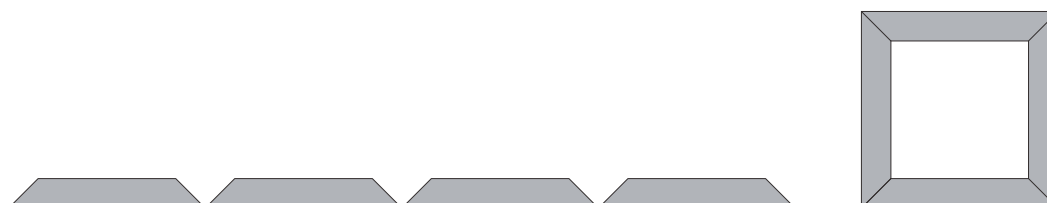
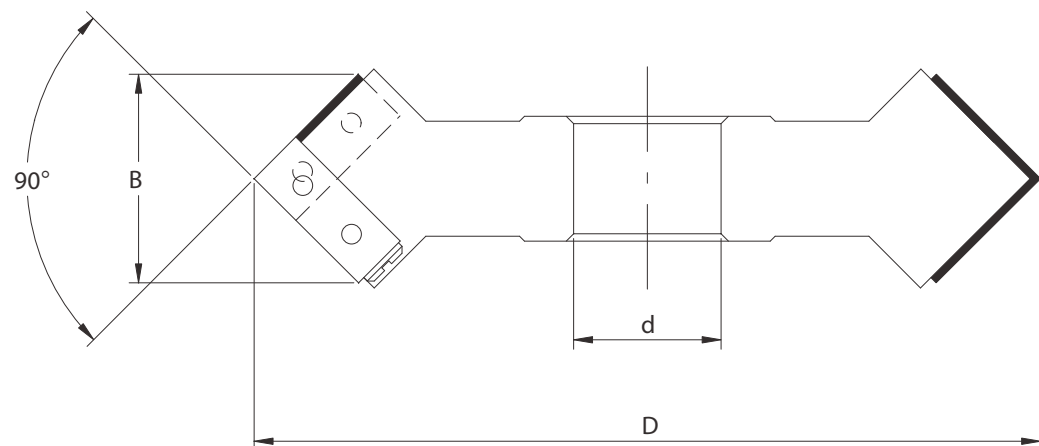
Cutter body made by high resistance ERGAL light alloy. Manufactured with 3+3 or 6+6 cutting edges It use solid carbide micrograin reversible knives mm 30x12x1,5 sharpened 4 sides to obtain a perfect finishing and a very good 90° workpiece assembly.

n. max 9.000 min⁻¹

HW **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Code	D D	B B	Z Z	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedgw	Vite Screw	Nottolino Nut
2210.160.000	160	42	3+3	B34	8020/8021	8282.260.000	8286.010.000	8287.150.000
2210.160.001	160	42	6+6	L37	8020/8021	8282.260.000	8286.010.000	8287.150.000



2215

TESTE PORTA COLTELLI PER SMUSSARE CHAMFERING CUTTERHEADS



HW **Z=4** **MAN** Avanzamento manuale
Manual feed

APPLICAZIONE/APPLICATION:

Eseguire smussi su legni teneri e duri, pannelli di truciolare o MDF grezzi o nobilitati.
Chamfering of hard and soft solid wood, raw MDF or chipboard panels.

MACCHINA/MACHINE:

Toupie, scorniciatrici, squadratrici/ Shapers, moulders and double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con 4 taglienti dritti o assialmente inclinati - con coltelli intercambiabili a gettare mm 30 o 50x12x1,5 - nelle ordinazioni specificare: misura dell'angolo α , diametro del foro ed il senso di rotazione (A/B).

Manufactured with 4 straight or sheared cutting edges It use solid carbide micrograin reversible knives mm 30x12x1,5 or 50x12x1,5. In the order please state the angle, bore diameter and rotation (A or B).

D. 140 - n 6.000/9.800 min⁻¹

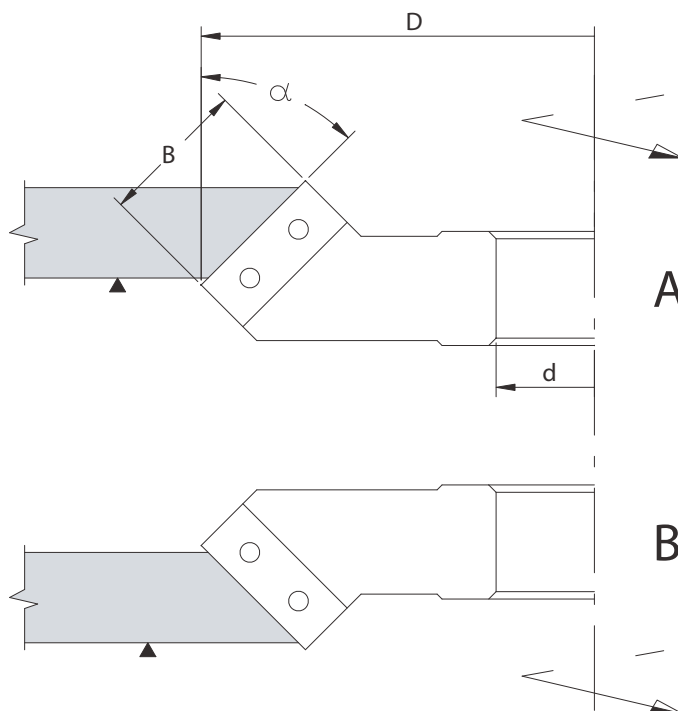
D. 160 - n 5.200/9.100 min⁻¹

D. 180 - n 4.400/7.500 min⁻¹

D. 200 - n 4.100/6.900 min⁻¹

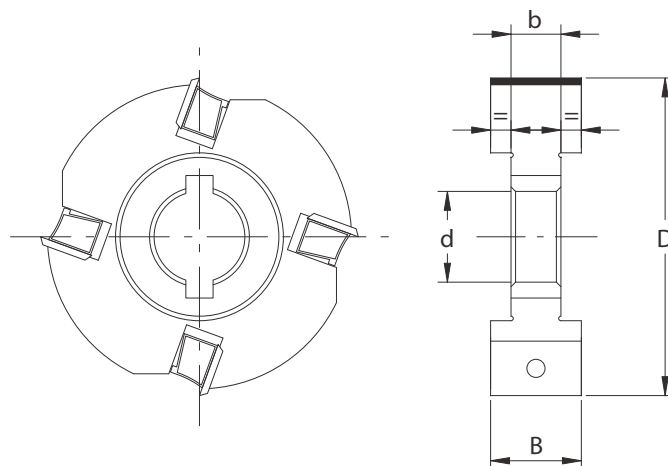
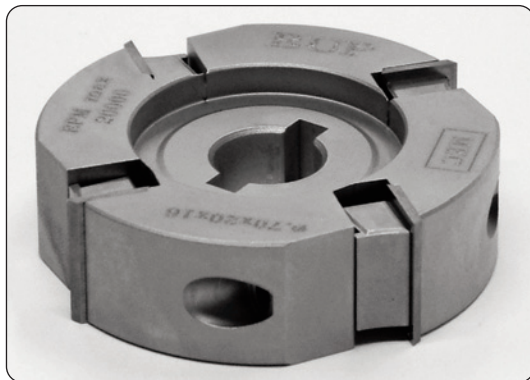
RICAMBI/Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2215.140.030	140	30	D20	8105.300.012	8280.260.000	8285.008.000
2215.160.030	160	30	B21	8105.300.012	8280.260.000	8285.008.000
2215.180.030	180	30	E22	8105.300.012	8280.260.000	8285.008.000
2215.160.050	160	50	L21	8105.500.012	8280.460.000	8285.008.000
2215.180.050	180	50	L23	8105.500.012	8280.460.000	8285.008.000
2215.200.050	200	50	D25	8105.500.012	8280.460.000	8285.008.000



2235

TESTE PORTA COLTELLI PER BORDATRICI CUTTERHEADS FOR EDGEBOARDING MACHINES



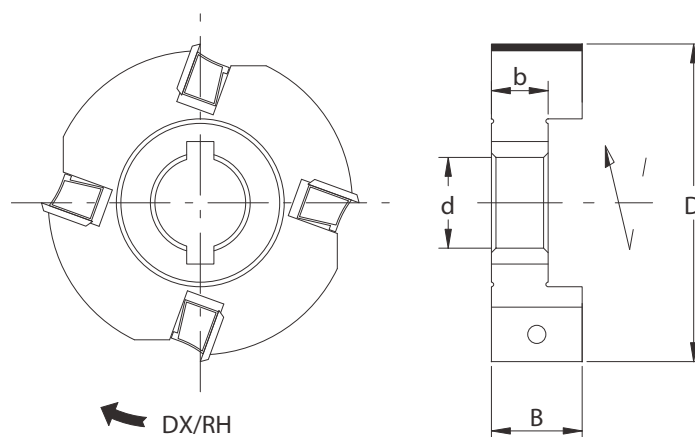
HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Code	D	B	b	d	DKN	Macchina Machine	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2235.050.000	50	12	10	16	5x2,3	Homag	D16	8105.120.012	8280.100.000	8285.008.000
2235.050.001	50	12	10	16	5x2,3	IMA	D16	8105.120.012	8280.100.000	8285.008.000
2235.050.002	50	20	10	16	5x2,3	Holz-Her	G16	8105.200.012	8280.160.000	8285.008.000
2235.061.000	61	12	11	16	5x2,3	Homag	D16	8105.120.012	8280.100.000	8285.008.000
2235.061.000	61	20	11	16	5x2,3	Homag	G16	8105.200.012	8280.160.000	8285.008.000
2235.070.000	70	12	10	16	5x2,3	Homag/Brandt	D16	8105.120.012	8280.100.000	8285.008.000
2235.070.001	70	20	11	16	5x2,3	Homag	G16	8105.200.012	8280.160.000	8285.008.000
2235.070.002	70	20	11	20	6x3,5	Holz-Her	G16	8105.200.012	8280.160.000	8285.008.000
2235.080.000	80	40	25	30	8x3,3	Holz-Her	G18	8105.400.012	8280.360.000	8285.008.000

2240

TESTE PORTA COLTELLI PER BORDATRICI CUTTERHEADS FOR EDGEBOARDING MACHINES



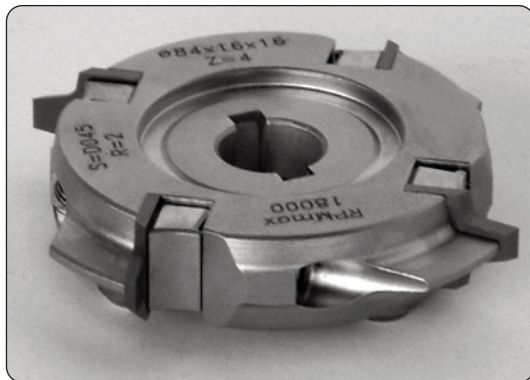
HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

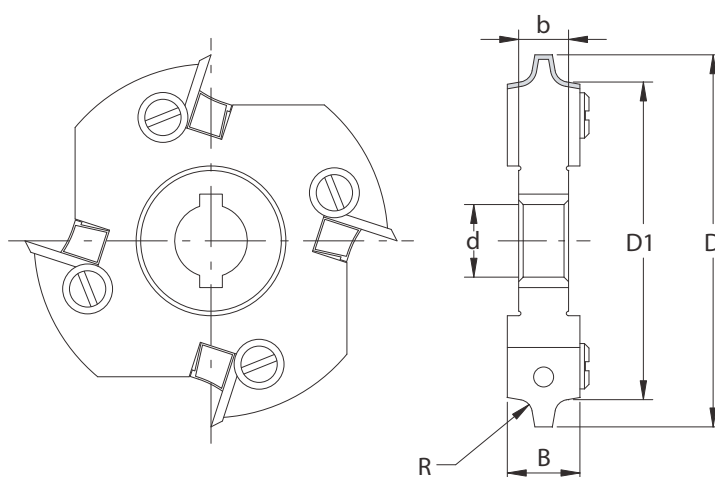
Codice Dx Code Dx	Codice Sx Code Sx	D	B	b	d	DKN	Macchina Machine	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2240.070.020	2240.070.021	70	20	12,5	20	6x3,5	IMA/IDM	G16	8105.200.012	8280.160.000	8285.008.000
							Homag/Brandt				
2240.070.030	2240.070.031	70	30	10	16	5x2,3	IDM	C17	8105.300.012	8280.260.000	8285.008.000
2240.080.030	2240.080.031	80	30	10	16	5x2,3	IDM	M17	8105.300.012	8280.260.000	8285.008.000

2245

TESTE PORTA COLTELLI PER BORDATRICI CUTTERHEADS FOR EDGEBOARDING MACHINES



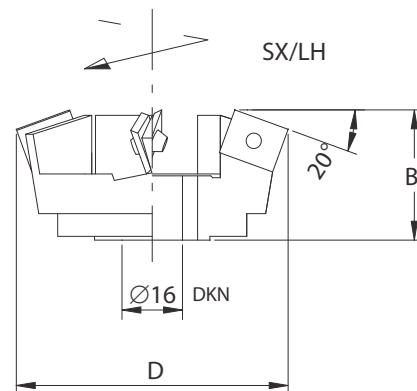
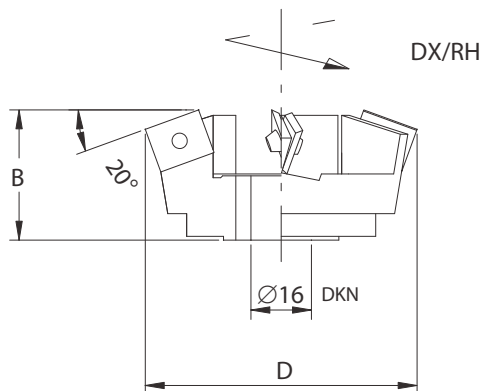
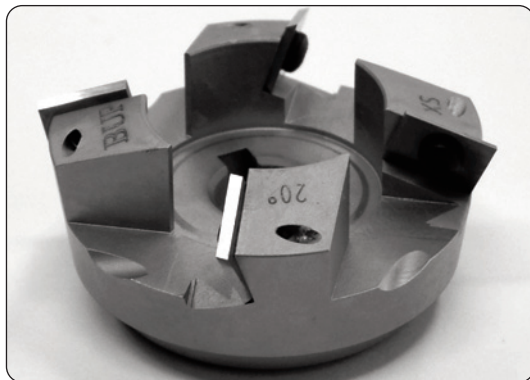
HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed



Codice Code	R	D	D ₁	B	b	d	DKN	Macchina Machine	Cod. Prezzo Price Code	RICAMBI/Spare Parts		
										Coltello Knife	Cuneo Wedge	Vite Screw
2245.062.000	2	62	50	16	10	16	5x2,3	Holz-Her	L20	8205.020.000	8281.140.000	8250.006.000
2245.062.001	3	62	50	16	10	16	5x2,3	Holz-Her	L20	8205.030.000	8281.140.000	8250.006.000
2245.062.002	4	62	50	16	10	16	5x2,3	Holz-Her	L20	8205.040.000	8281.140.000	8250.006.000
2245.062.003	5	62	50	16	10	16	5x2,3	Holz-Her	L20	8205.050.000	8281.140.000	8250.006.000
2245.073.000	2	73	61	16	10	16	5x2,3	IDM-Homag	L20	8205.020.000	8281.140.000	8250.006.000
2245.073.001	3	73	61	16	10	16	5x2,3	IDM-Homag	L20	8205.030.000	8281.140.000	8250.006.000
2245.073.002	4	73	61	16	10	16	5x2,3	IDM-Homag	L20	8205.040.000	8281.140.000	8250.006.000
2245.073.003	5	73	61	16	10	16	5x2,3	IDM-Homag	L20	8205.050.000	8281.140.000	8250.006.000
2245.073.004	2	73	61	16	20	16	6x2,3	Holz-Her	L20	8205.020.000	8281.140.000	8250.006.000
2245.073.005	3	73	61	16	20	16	6x2,3	Holz-Her	L20	8205.030.000	8281.140.000	8250.006.000
2245.073.006	4	73	61	16	20	16	6x2,3	Holz-Her	L20	8205.040.000	8281.140.000	8250.006.000
2245.073.007	5	73	61	16	20	16	6x2,3	Holz-Her	L20	8205.050.000	8281.140.000	8250.006.000
2245.082.000	2	82	70	16	11	16	5x2,3	Brandt	L20	8205.020.000	8281.140.000	8250.006.000
2245.082.001	3	82	70	16	11	16	5x2,3	Brandt	L20	8205.030.000	8281.140.000	8250.006.000
2245.082.002	4	82	70	16	11	16	5x2,3	Brandt	L20	8205.040.000	8281.140.000	8250.006.000
2245.082.003	5	82	70	16	11	16	5x2,3	Brandt	L20	8205.050.000	8281.140.000	8250.006.000
2245.082.004	2	82	70	16	11	20	6x2,3	IMA	L20	8205.020.000	8281.140.000	8250.006.000
2245.082.005	3	82	70	16	11	20	6x2,3	IMA	L20	8205.030.000	8281.140.000	8250.006.000
2245.082.006	4	82	70	16	11	20	6x2,3	IMA	L20	8205.040.000	8281.140.000	8250.006.000
2245.082.007	5	82	70	16	11	20	6x2,3	IMA	L20	8205.050.000	8281.140.000	8250.006.000

2250-2255-2260

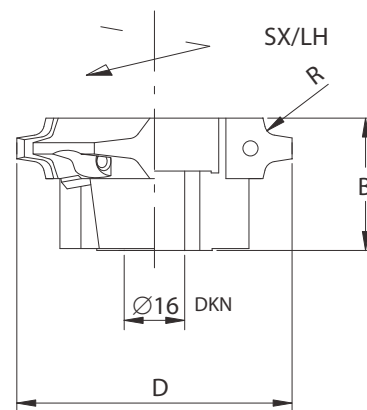
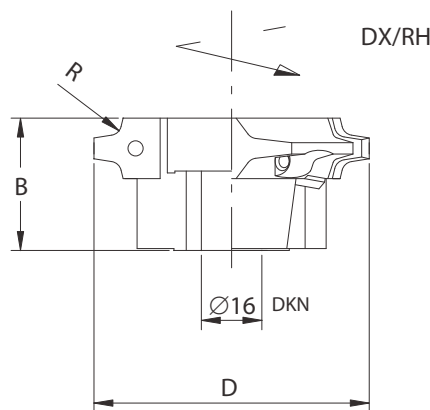
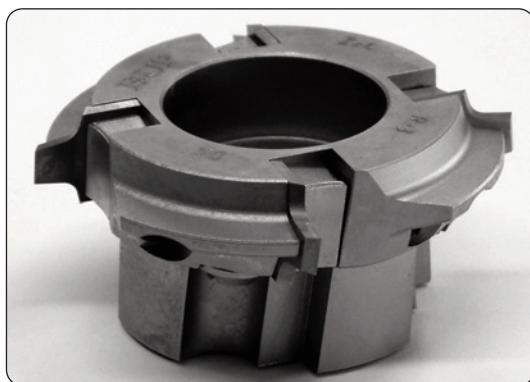
TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBANDING MACHINES



HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

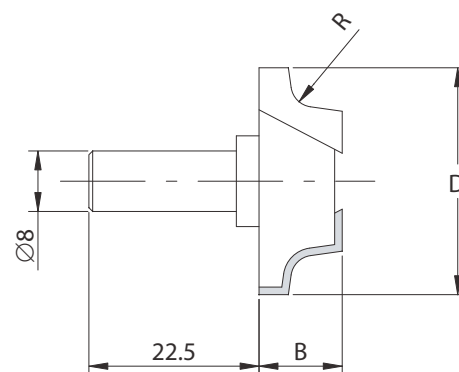
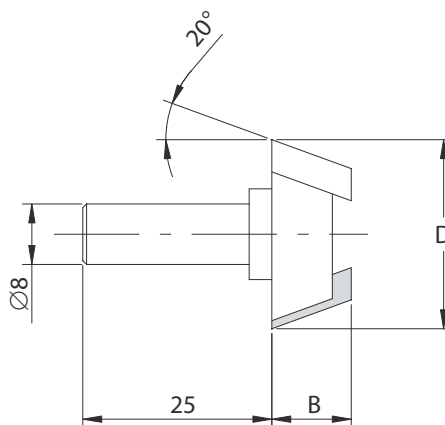
Codice Dx Rh Code	Codice Sx Lh Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2250.020.001	2250.020.002	70	35	C21	8105.150.012	-	8330.035.003



HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Dx Rh Code	Codice Sx Lh Code	R R	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2255.010.001	2255.010.002	1	72	35	H21	8205.010.000	8281.140.000	8285.006.000
2255.015.001	2255.015.002	1.5	72	35	H21	8205.015.000	8281.140.000	8285.006.000
2255.020.001	2255.020.002	2	72	35	H21	8205.020.000	8281.140.000	8285.006.000
2255.025.001	2255.025.002	2,5	72	35	H21	8205.025.000	8281.140.000	8285.006.000
2255.030.001	2255.030.002	3	72	35	H21	8205.030.000	8281.140.000	8285.006.000

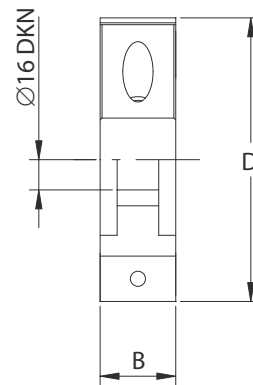
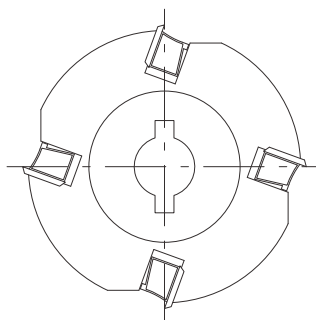
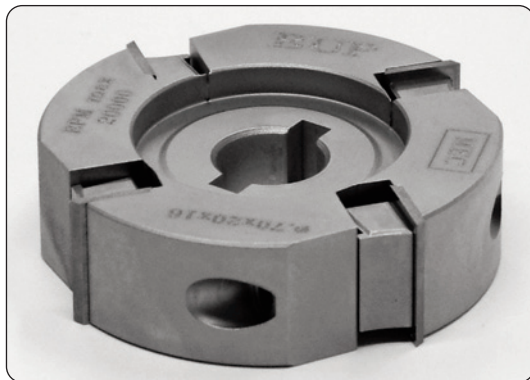


HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

Codice Code	R R	D D	B B	Cod. Prezzo Price Code
2260.010.000	20°	25	10,5	M12
2260.015.000	R1,5	30	11	M12
2260.020.000	R2	30	11	M12
2260.030.000	R3	30	11	M12

2265-2266-2267

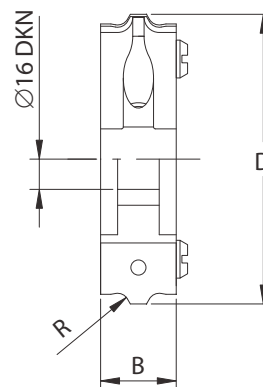
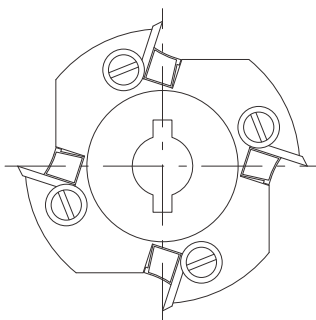
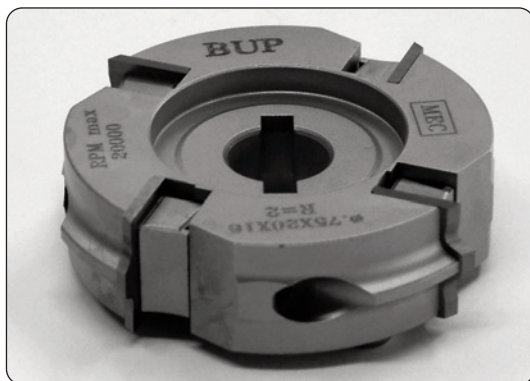
TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBANDING MACHINES



HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

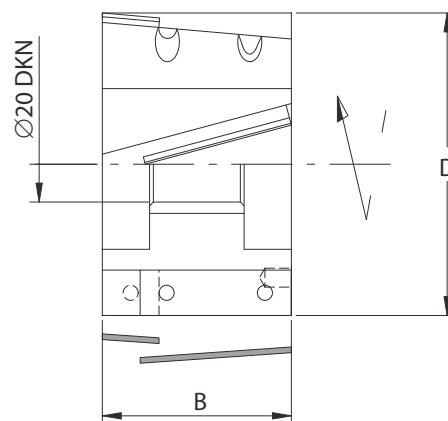
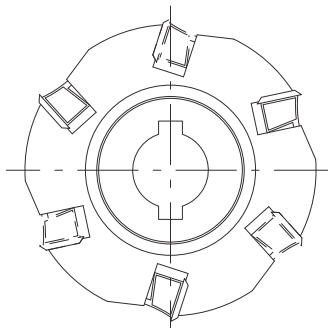
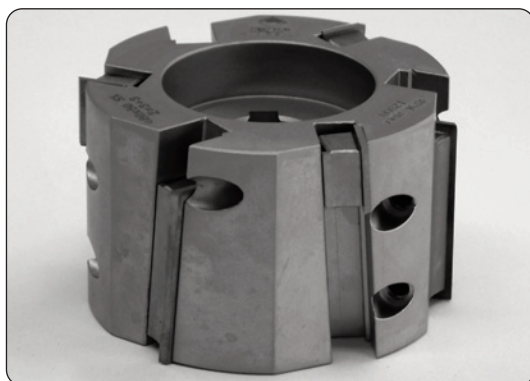
Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2265.070.000	70	20	B16	8105.200.012	8280.160.000	8285.006.000
2265.075.000	75	20	B16	8105.200.012	8280.160.000	8285.006.000



HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Code	R	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2266.010.000	1	76	20	E20	8210.010.000	8280.160.000	8285.006.000
2266.015.000	1,5	76	20	E20	8210.015.000	8280.160.000	8285.006.000
2266.020.000	2	76	20	E20	8210.020.000	8280.160.000	8285.006.000
2266.025.000	2,5	76	20	E20	8210.025.000	8280.160.000	8285.006.000
2266.030.000	3	76	20	E20	8210.030.000	8280.160.000	8285.006.000



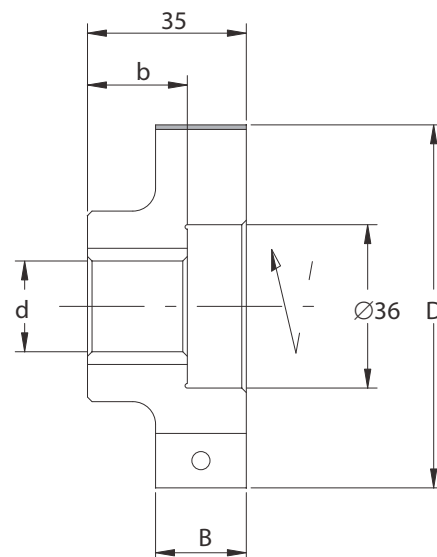
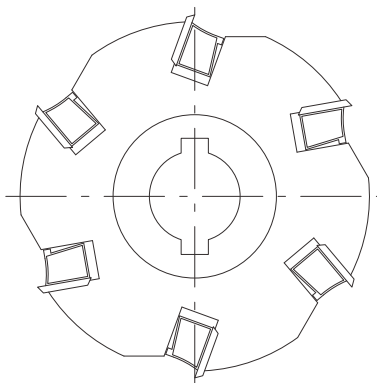
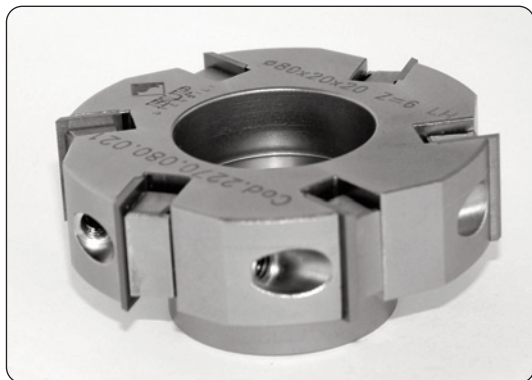
HW **Z=3+3** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Dx Rh Code	Codice Sx Lh Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Coltello Knife	Cuneo Wedge	Vite Screw
2267.080.501	2267.080.502	80	50	C24	8105.400.012	8280.360.000	8105.150.012	8280.130.000	8285.006.000
2267.080.551	2267.080.552	80	55	C24	8105.400.012	8280.360.000	8105.200.012	8280.160.000	8285.006.000

2270

TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBOARDING MACHINES



HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed

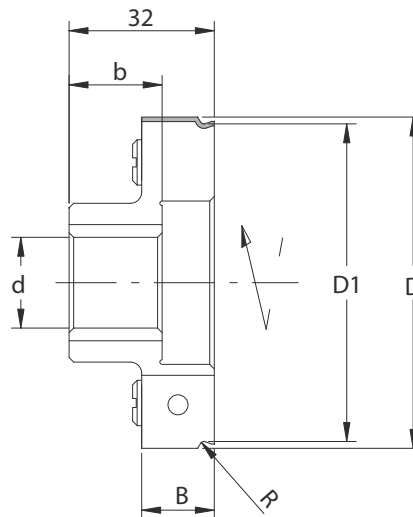
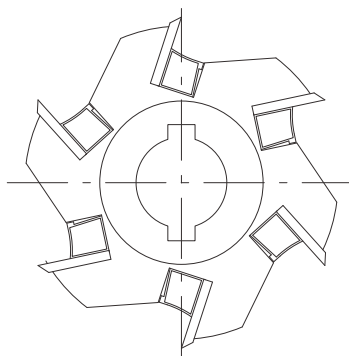
← DX/RH

RICAMBI/Spare Parts

Codice Dx Rh Code	Codice Sx Lh Code	D	B	b	d	DKN	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2270.080.020	2270.080.021	80	20	22	20	6x2,8	D19	8105.200.012	8280.160.000	8285.008.000
2270.080.030	2270.080.031	80	30	22	20	6x2,8	C20	8105.300.012	8280.260.000	8285.008.000

2275

TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBOARDING MACHINES



HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed

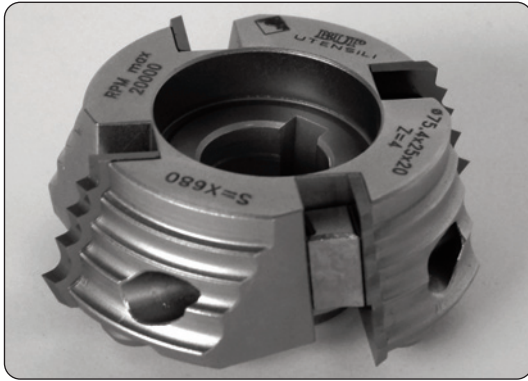
← DX/RH

RICAMBI/Spare Parts

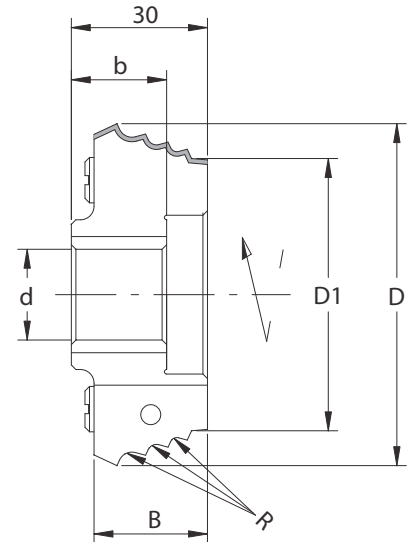
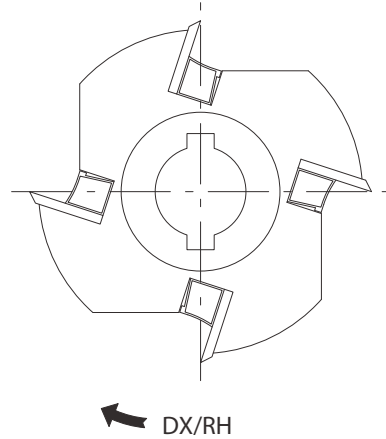
Codice Code	R	D	D1	B	b	d	DKN	Rotazione Rotation	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw
2275.010.001	1	73	70	16	20,5	20	6x2,8	Dx/Rh	H21	8207.010.001	8281.140.000	8285.006.000
2275.010.002	1	73	70	16	20,5	20	6x2,8	Sx/Lh	H21	8207.010.002	8281.140.000	8285.006.000
2275.015.001	1,5	73	70	16	20,5	20	6x2,8	Dx/Rh	H21	8207.015.001	8281.140.000	8285.006.000
2275.015.002	1,5	73	70	16	20,5	20	6x2,8	Sx/Lh	H21	8207.015.002	8281.140.000	8285.006.000
2275.020.001	2	74	70	16	20,5	20	6x2,8	Dx/Rh	H21	8207.020.001	8281.140.000	8285.006.000
2275.020.002	2	74	70	16	20,5	20	6x2,8	Sx/Lh	H21	8207.020.002	8281.140.000	8285.006.000
2275.030.001	3	75	70	16	20,5	20	6x2,8	Dx/Rh	H21	8207.030.001	8281.140.000	8285.006.000
2275.030.002	3	75	70	16	20,5	20	6x2,8	Sx/Lh	H21	8207.030.002	8281.140.000	8285.006.000

2276

TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBOARDING MACHINES



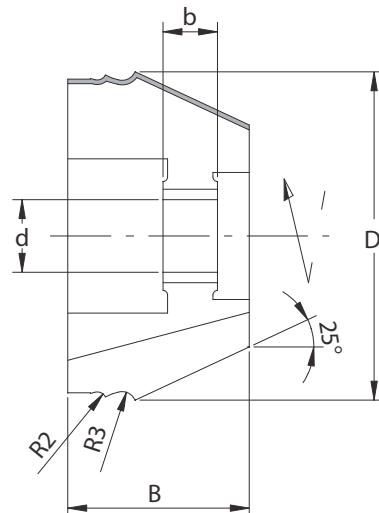
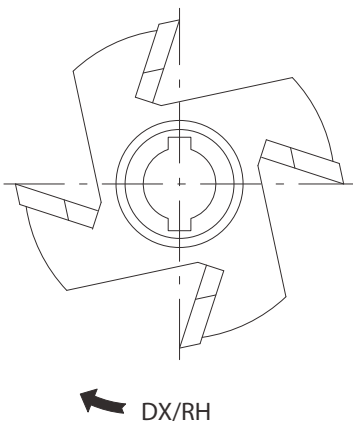
HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed



Codice Code	R R	D D	D1 D1	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts		
										Coltello Knife	Cuneo Wedge	Vite Screw
2276.010.001	1/1,5/2	75,4	60	25	21	20	6x2,8	Dx/Rh	F24	8208.000.001	8281.140.000	8285.006.000
2276.010.002	1/1,5/2	75,4	60	25	21	20	6x2,8	Sx/Lh	F24	8208.000.002	8281.140.000	8285.006.000
2276.020.001	1,5/2/3	75,4	60	25	21	20	6x2,8	Dx/Rh	F24	8208.000.003	8281.140.000	8285.006.000
2276.020.002	1,5/2/3	75,4	60	25	21	20	6x2,8	Sx/Lh	F24	8208.000.004	8281.140.000	8285.006.000

2277

FRESE HW PER BORDATRICI "BIESSE" TCT CUTTERS FOR BIESSE EDGEBOARDING MACHINES

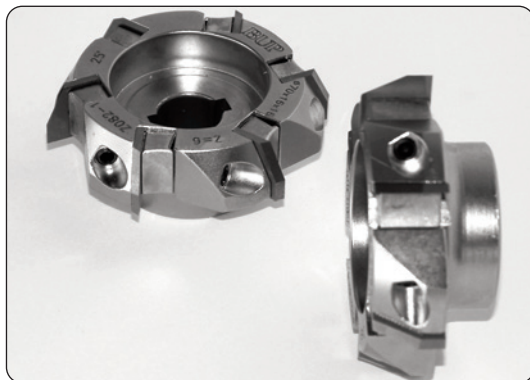


HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

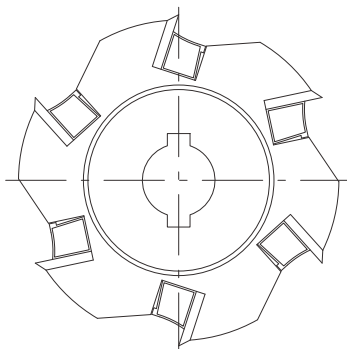
Codice Code	R R	D D	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code
2277.000.001	R2 R3 25°	72,35	40	10,5	16	5x2,3	Dx/Rh	M25
2277.000.002	R2 R3 25°	72,35	40	10,5	16	5x2,3	Sx/Lh	M25

2280

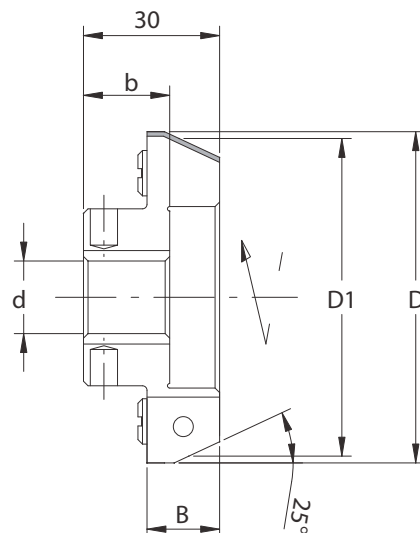
TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBANDING MACHINES



HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed



← DX/RH



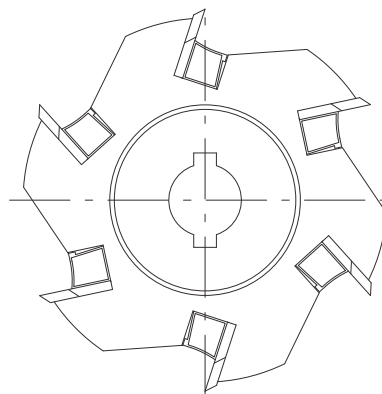
Codice Code	D D	D1 D1	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts		
									Coltello Knife	Cuneo Wedge	Vite Screw
2280.025.001	73	70	16	19	16	5x2,3	Dx/Rh	H21	8206.016.001	8281.140.000	8285.006.000
2280.025.002	73	70	16	19	16	5x2,3	Sx/Lh	H21	8206.016.002	8281.140.000	8285.006.000

2281

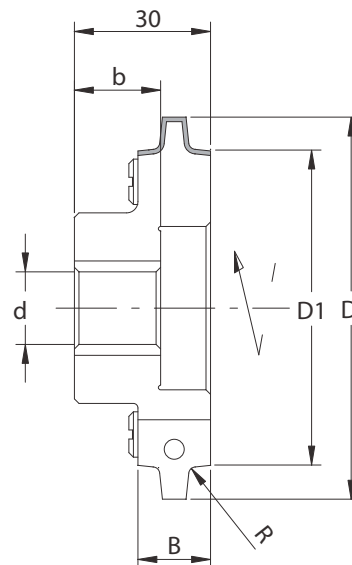
TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBANDING MACHINES



HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed



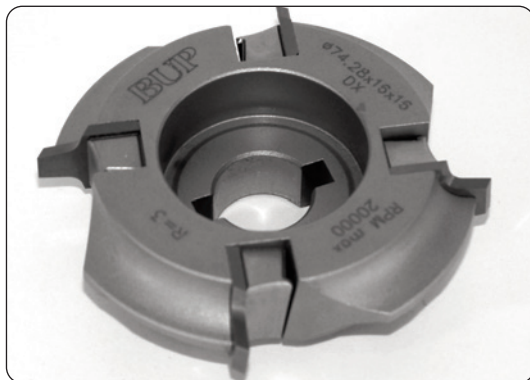
← DX/RH



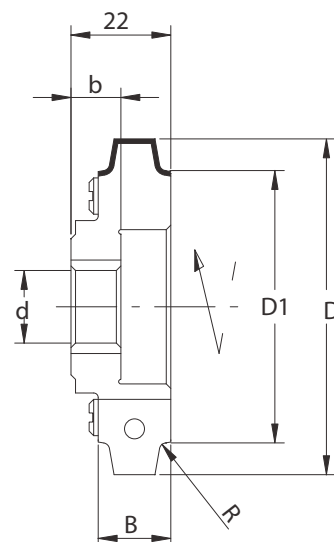
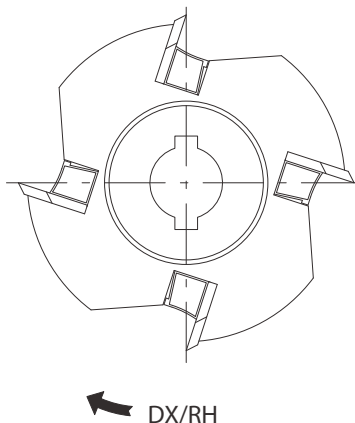
Codice Code	R R	D D	D1 D1	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts		
										Coltello Knife	Cuneo Wedge	Vite Screw
2281.010.001	1	84,20	70	16	19	16	5x2,4	Dx/Rh	H21	8205.010.000	8281.140.000	8285.006.000
2281.010.002	1	84,20	70	16	19	16	5x2,4	Sx/Lh	H21	8205.010.000	8281.140.000	8285.006.000
2281.015.001	1,5	84,20	70	16	19	16	5x2,4	Dx/Rh	H21	8205.015.000	8281.140.000	8285.006.000
2281.015.002	1,5	84,20	70	16	19	16	5x2,4	Sx/Lh	H21	8205.015.000	8281.140.000	8285.006.000
2281.020.001	2	84,20	70	16	19	16	5x2,4	Dx/Rh	H21	8205.020.000	8281.140.000	8285.006.000
2281.020.002	2	84,20	70	16	19	16	5x2,4	Sx/Lh	H21	8205.020.000	8281.140.000	8285.006.000
2281.030.001	3	84,20	70	16	19	16	5x2,4	Dx/Rh	H21	8205.030.000	8281.140.000	8285.006.000
2281.030.002	3	84,20	70	16	19	16	5x2,4	Sx/Lh	H21	8205.030.000	8281.140.000	8285.006.000

2285

TESTE PORTA COLTELLI PER BORDATRICI "BIESSE" CUTTERHEADS FOR BIESSE EDGEBOARDING MACHINES



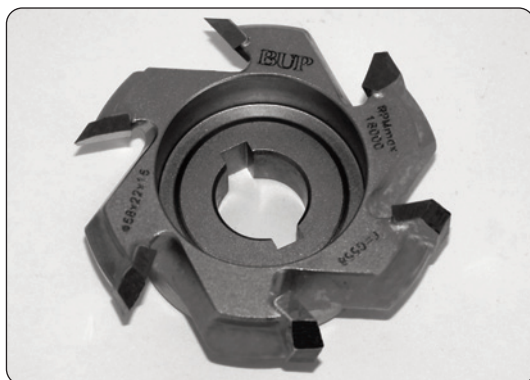
HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed



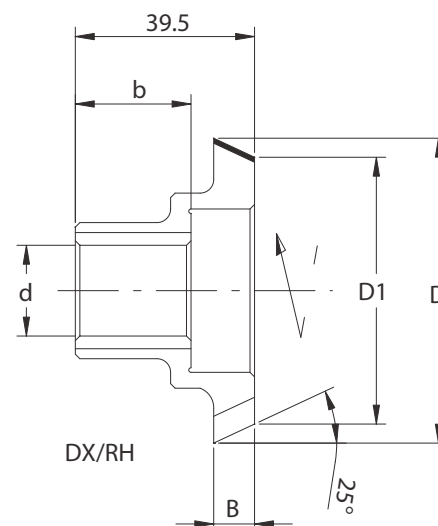
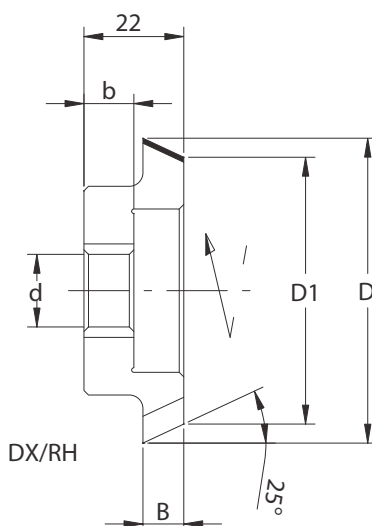
Codice Code	R R	D D	D1 D1	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts		
										Coltello Knife	Cuneo Wedge	Vite Screw
2285.010.001	1	74	60	16	11	16	5x2,3	Dx/Rh	L20	8205.110.000	8281.140.000	8285.006.000
2285.010.002	1	74	60	16	11	16	5x2,3	Sx/Lh	L20	8205.110.000	8281.140.000	8285.006.000
2285.015.001	1,5	74	60	16	11	16	5x2,3	Dx/Rh	L20	8205.115.000	8281.140.000	8285.006.000
2285.015.002	1,5	74	60	16	11	16	5x2,3	Sx/Lh	L20	8205.115.000	8281.140.000	8285.006.000
2285.020.001	2	74	60	16	11	16	5x2,3	Dx/Rh	L20	8205.120.000	8281.140.000	8285.006.000
2285.020.002	2	74	60	16	11	16	5x2,3	Sx/Lh	L20	8205.120.000	8281.140.000	8285.006.000
2285.030.001	3	74	60	16	11	16	5x2,3	Dx/Rh	L20	8205.130.000	8281.140.000	8285.006.000
2285.030.002	3	74	60	16	11	16	5x2,3	Sx/Lh	L20	8205.130.000	8281.140.000	8285.006.000

2286

FRESE HW PER BORDATRICI "BIESSE" TCT CUTTERS FOR BIESSE EDGEBOARDING MACHINES



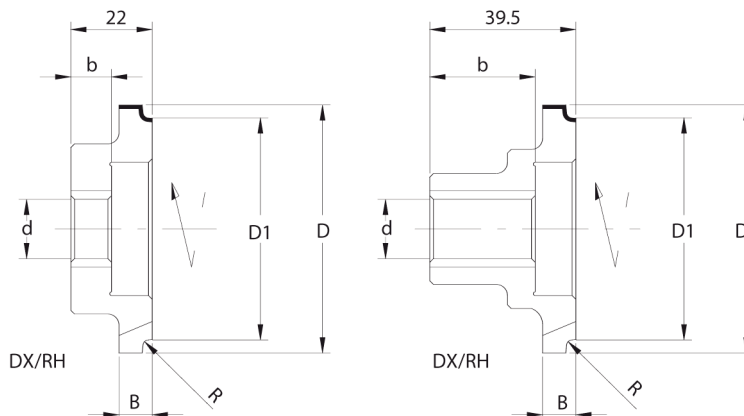
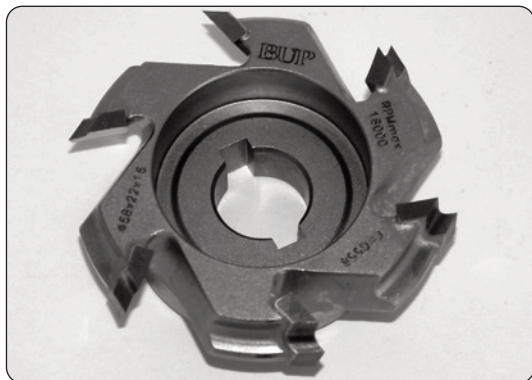
HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed



Codice Code	D D	D1 D1	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code
2286.022.001	67	58,8	9	11	16	5x2,3	Dx/Rh	G22
2286.022.002	67	58,8	9	11	16	5x2,3	Sx/Lh	G22
2286.039.001	67	58,8	9	25,5	20	6x2,8	Dx/Rh	D23
2286.039.002	67	58,8	9	25,5	20	6x2,8	Sx/Lh	D23

2287 - 2288

FRESE HW PER BORDATRICI "BIESSE" TCT CUTTERS FOR BIESSE EDGEBOARDING MACHINES

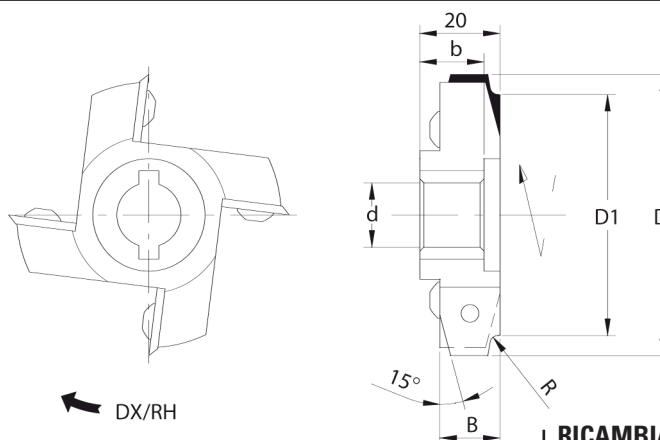
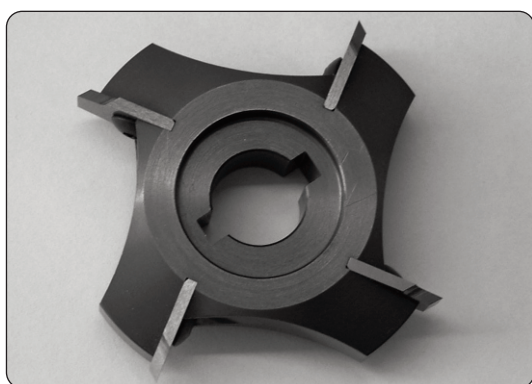


HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed

Codice Code	R R	D D	D1 D1	B B	b b	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code
2287.010.001	1	66	60	9	11	16	5x2,3	Dx/Rh	C23
2287.010.002	1	66	60	9	11	16	5x2,3	Sx/Lh	C23
2287.015.001	1,5	67	60	9	11	16	5x2,3	Dx/Rh	C23
2287.015.002	1,5	67	60	9	11	16	5x2,3	Sx/Lh	C23
2287.020.001	2	68	60	9	11	16	5x2,3	Dx/Rh	C23
2287.020.002	2	68	60	9	11	16	5x2,3	Sx/Lh	C23
2287.030.001	3	70	60	9	11	16	5x2,3	Dx/Rh	C23
2287.030.002	3	70	60	9	11	16	5x2,3	Sx/Lh	C23
2288.010.001	1	66	60	9	25,5	20	6x2,8	Dx/Rh	M23
2288.010.002	1	66	60	9	25,5	20	6x2,8	Sx/Lh	M23
2288.015.001	1,5	66	60	9	25,5	20	6x2,8	Dx/Rh	M23
2288.015.002	1,5	66	60	9	25,5	20	6x2,8	Sx/Lh	M23
2288.020.001	2	66	60	9	25,5	20	6x2,8	Dx/Rh	M23
2288.020.002	2	66	60	9	25,5	20	6x2,8	Sx/Lh	M23
2288.030.001	3	66	60	9	25,5	20	6x2,8	Dx/Rh	M23
2288.030.002	3	66	60	9	25,5	20	6x2,8	Sx/Lh	M23

2289

TESTA PORTACOLTELLI PER BORDATRICI "VITAP" CUTTERHEADS FOR VITAP EDGEBOARDING MACHINES

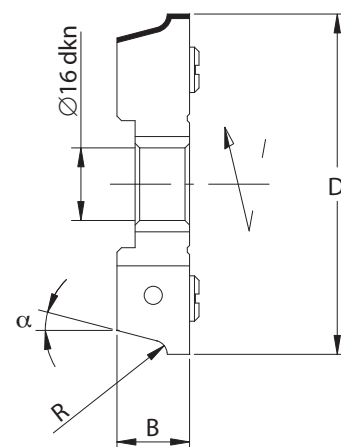
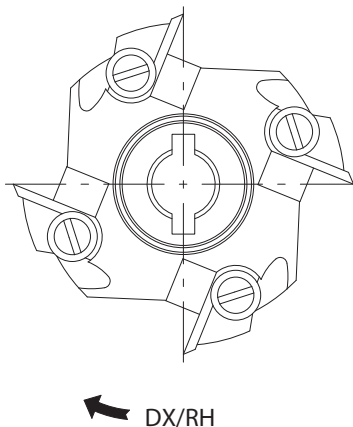
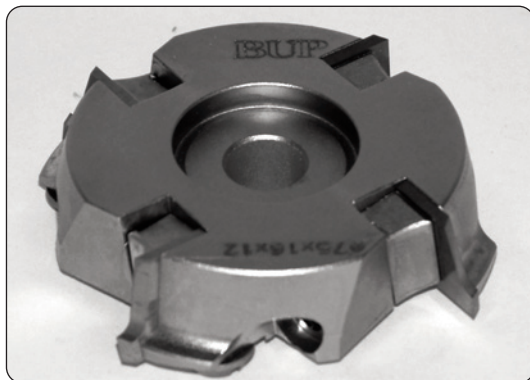


HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

Codice Code	R R	D D	D1 D1	B B	b b	d d	DKN DHN	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts	
										Coltello Knife	Vite Screw
2289.020.001	2	70	60	15	16	16	5x2,3	Dx/Rh	F18	8213.020.001	8330.035.004
2289.020.002	2	70	60	15	16	16	5x2,3	Sx/Lh	F18	8213.020.002	8330.035.004
2289.030.001	3	70	60	15	16	16	5x2,3	Dx/Rh	F18	8213.030.001	8330.035.004
2289.030.001	3	70	60	15	16	16	5x2,3	Sx/Lh	F18	8213.030.002	8330.035.004

2290

TESTE PORTA COLTELLI PER BORDATRICI "CASADEI" CUTTERHEADS FOR CASADEI EDGEBOARDING MACHINES



HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

Nell'ordine specificare diametro foro "d"
In the order specify bore diameter "d"

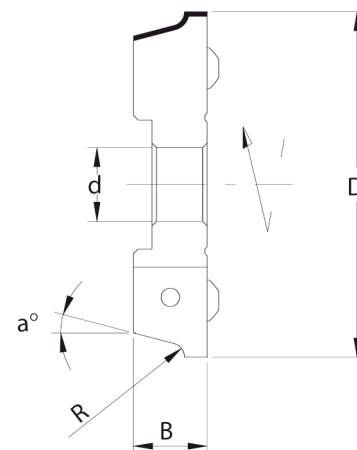
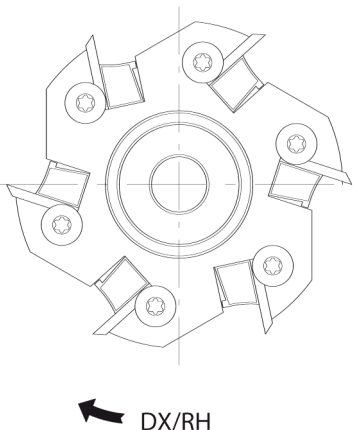
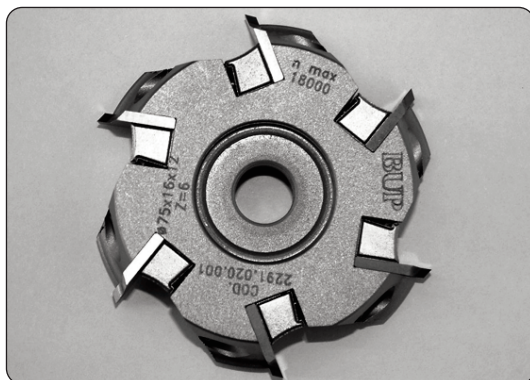
Codice Code	R R	α α	D D	B B	d d	Rotazione Rotation	Cod. Prezzo Price Code
2290.020.001	2	15°	75	16	12-16 DKN	Dx/Rh	L19
2290.020.002	2	15°	75	16	12-16 DKN	Sx/Lh	L19
2290.020.003	2	3°	75	16	12-16 DKN	Dx/Rh	L19
2290.020.004	2	3°	75	16	12-16 DKN	Sx/Lh	L19
2290.030.001	3	15°	75	16	12-16 DKN	Dx/Rh	L19
2290.030.002	3	15°	75	16	12-16 DKN	Sx/Lh	L19
2290.030.003	3	3°	75	16	12-16 DKN	Dx/Rh	L19
2290.030.004	3	3°	75	16	12-16 DKN	Sx/Lh	L19

RICAMBI/Spare Parts

Coltello Knife	Cuneo Wedge	Vite Screw
8200.020.001	8281.140.000	8285.006.000
8200.020.002	8281.140.000	8285.006.000
8200.020.003	8281.140.000	8285.006.000
8200.020.004	8281.140.000	8285.006.000
8200.030.001	8281.140.000	8285.006.000
8200.030.002	8281.140.000	8285.006.000
8200.030.003	8281.140.000	8285.006.000
8200.030.004	8281.140.000	8285.006.000

2291

TESTE PORTA COLTELLI PER BORDATRICI "CASADEI" CUTTERHEADS FOR CASADEI EDGEBOARDING MACHINES



HW **Z=6** **MEC** Avanzamento meccanico
Mechanical feed

Nell'ordine specificare diametro foro "d"
In the order specify bore diameter "d"

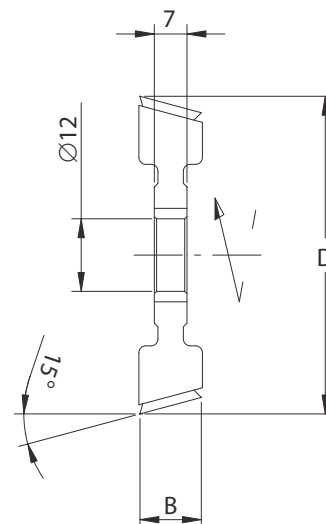
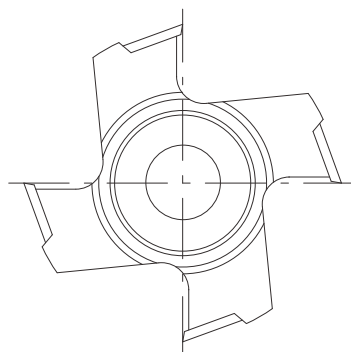
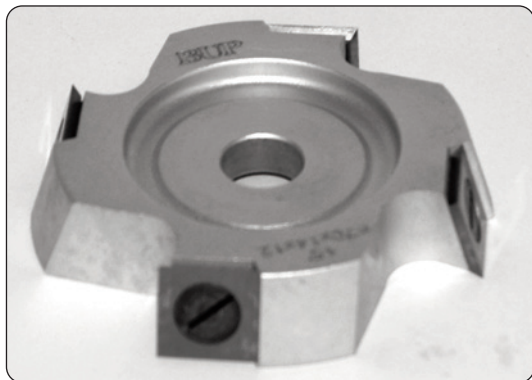
Codice Code	R R	α α	D D	B B	d d	Rotazione Rotation	Cod. Prezzo Price Code
2291.020.001	2	15°	75	16	12-16 DKN	Dx/Rh	H21
2291.020.002	2	15°	75	16	12-16 DKN	Sx/Lh	H21
2291.020.003	2	3°	75	16	12-16 DKN	Dx/Rh	H21
2291.020.004	2	3°	75	16	12-16 DKN	Sx/Lh	H21
2291.030.001	3	15°	75	16	12-16 DKN	Dx/Rh	H21
2291.030.002	3	15°	75	16	12-16 DKN	Sx/Lh	H21
2291.030.003	3	3°	75	16	12-16 DKN	Dx/Rh	H21
2291.030.004	3	3°	75	16	12-16 DKN	Sx/Lh	H21

RICAMBI/Spare Parts

Coltello Knife	Cuneo Wedge	Vite Screw
8200.020.001	8281.140.000	8285.006.000
8200.020.002	8281.140.000	8285.006.000
8200.020.003	8281.140.000	8285.006.000
8200.020.004	8281.140.000	8285.006.000
8200.030.001	8281.140.000	8285.006.000
8200.030.002	8281.140.000	8285.006.000
8200.030.003	8281.140.000	8285.006.000
8200.030.004	8281.140.000	8285.006.000

2295

TESTE PORTA COLTELLI PER BORDATRICI "CASADEI" CUTTERHEADS FOR CASADEI EDGEBOARDING MACHINES



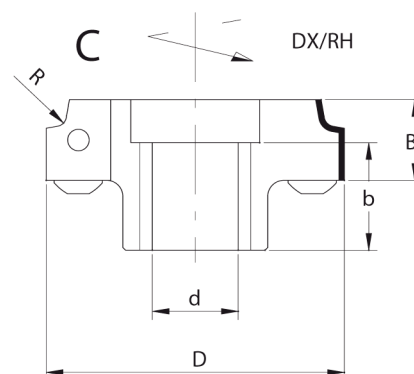
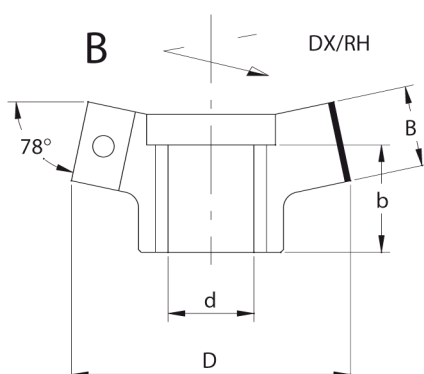
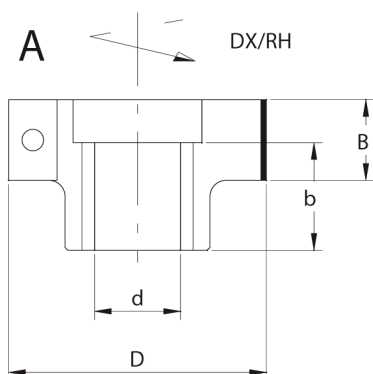
HW **Z=4** **MEC** Avanzamento meccanico
Mechanical feed

DX/RH

Codice Code	α α	D D	B B	d d	DKN DKN	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts	
								Coltello Knife	Vite Screw
2295.070.001	15°	70	14	12	5x2,3	Dx/Rh	C16	8120.140.002	8295.005.000
2295.070.002	15°	70	14	12	5x2,3	Sx/Lh	C16	8120.140.002	8295.005.000

2296-2297-2298

TESTE PORTA COLTELLI PER BORDATRICI "TECNOMA" CUTTERHEADS FOR TECNOMA EDGEBOARDING MACHINES

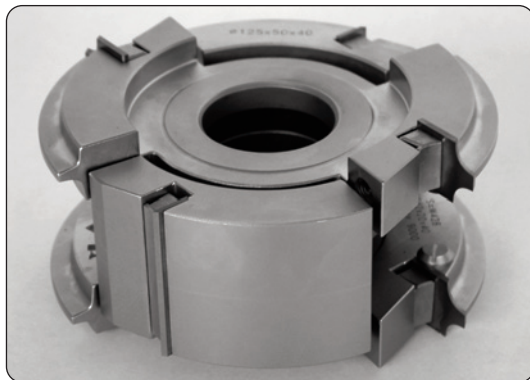


HW **Z=2** **MEC** Avanzamento meccanico
Mechanical feed

Codice Code	D D	B B	b b	d d	DKN DKN	R R	Rotazione Rotation	Cod. Prezzo Price Code	RICAMBI/Spare Parts	
									Coltello Knife	Vite Screw
2296.000.001	48	15	16	16	5x2,3		Dx/Rh	G14	8110.150.009	8330.035.002
2296.000.002	48	15	16	16	5x2,3		Sx/Lh	G14	8110.150.009	8330.035.002
2297.000.001	52	15	16	16	5x2,3		Dx/Rh	B15	8110.150.009	8330.035.002
2297.000.002	52	15	16	16	5x2,3		Sx/Lh	B15	8110.150.009	8330.035.002
2298.010.001	58	15	16	16	5x2,3	1	Dx/Rh	L15	8211.010.001	8330.035.002
2298.010.002	58	15	16	16	5x2,3	1	Sx/Lh	L15	8211.010.002	8330.035.002
2298.020.001	58	15	16	16	5x2,3	2	Dx/Rh	L15	8211.020.001	8330.035.002
2298.020.002	58	15	16	16	5x2,3	2	Sx/Lh	L15	8211.020.002	8330.035.002
2298.030.001	58	15	16	16	5x2,3	3	Dx/Rh	L15	8211.030.001	8330.035.002
2298.030.002	58	15	16	16	5x2,3	3	Sx/Lh	L15	8211.030.002	8330.035.002

2320

GRUPPO DI TESTE REGOLABILI PER CONTORNARE ROUNDING AND CHAMFERING ADJUSTABLE CUTTERHEADS



APPLICAZIONE/APPLICATION:

Contornare pannelli di diverso spessore con contemporanea raggatura degli spigoli.
For jointing, corner rounding and chamfering on various wood thickness.

MACCHINA/MACHINE:

Scorniatrici, squadratrici/ Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Gruppo di teste regolabile mediante anelli - la costruzione delle teste sagomate permette l'utilizzo di coltelli con diverso raggio sullo stesso corpo.

Il gruppo viene fornito con un set di coltelli, indicare il raggio richiesto.

Gruppo A per raggi da 2 a 6 mm - Gruppo B per raggi da 7 a 10 mm.

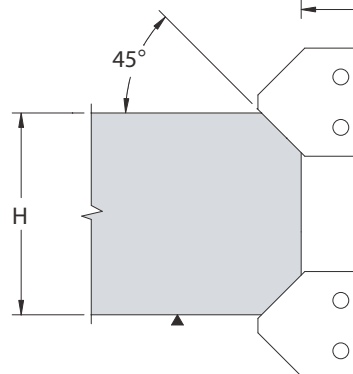
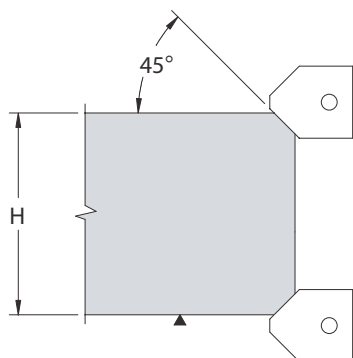
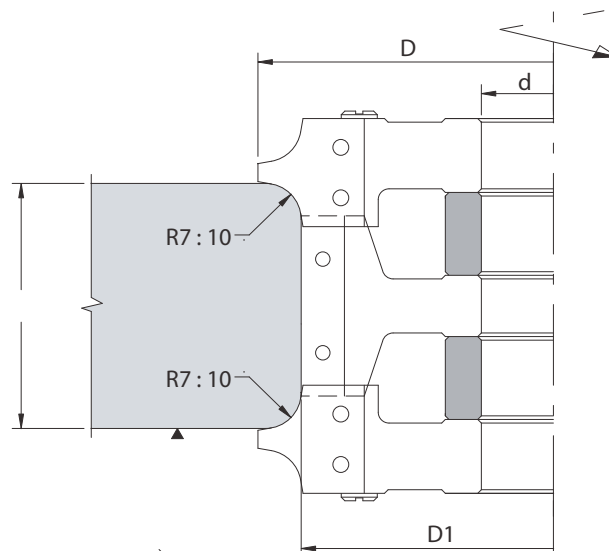
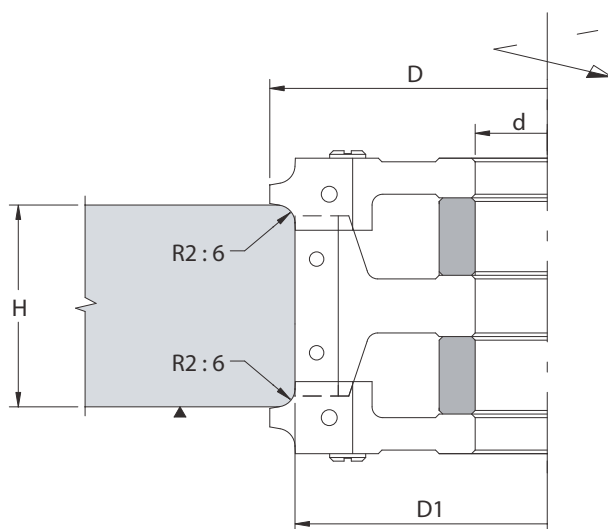
Set of 3 interlocking cutterheads with set of spacers adjustable for various wood thickness. Top and bottom cutter with shaped profile admit knives with different radius on the same body. Cutterset A for R=2 to R=6. Cutterset B for R=7 to R=10.

Supplied with one set of knives only, please state the radius required.

RPM max 8.000 min⁻¹ d. max 50 mm

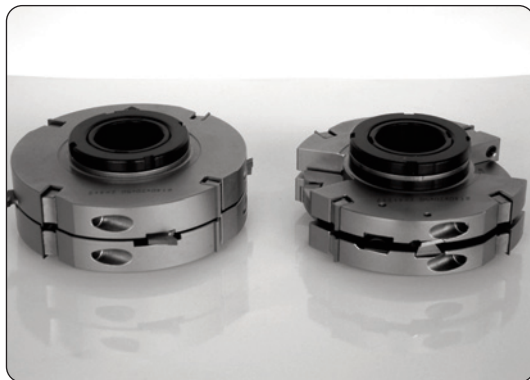
HW **Z=2** **MEC** Avanzamento meccanico
Mechanical feed

Codice Code	D D	D ₁ D ₁	R R	H H	Cod. Prezzo Price Code	RIC. testa diritta/Straight Cutter Spare Parts			RIC. teste sagomate/Profile Cutter Spare Parts		
						Coltello Knife	Cuneo Wedge	Vite Screw	Coltello Knife	Cuneo Wedge	Vite Screw
2320.140.001	157	140	2	15:52	B34	8105.500.012	8280.460.000	8285.008.000	8196.020.000	8280.160.000	8285.008.000
			3	15:54					8196.030.000	8280.160.000	8285.008.000
			4	15:56					8196.040.000	8280.160.000	8285.008.000
			5	15:58					8196.050.000	8280.160.000	8285.008.000
			6	15:60					8196.060.000	8280.160.000	8285.008.000
			45°	15:60					8196.020.045	8280.160.000	8285.008.000
2320.140.002	165	140	7	24:62	L34	8105.500.012	8280.460.000	8285.008.000	8196.070.000	8280.260.000	8285.008.000
			8	24:64					8196.080.000	8280.260.000	8285.008.000
			9	24:66					8196.090.000	8280.260.000	8285.008.000
			10	24:68					8196.100.000	8280.260.000	8285.008.000
			45°	24:68					8196.030.045	8280.260.000	8285.008.000



2325

TESTE PORTA COLTELLI PER PERLINE ADJUSTABLE TONGUE AND GROOVE CUTTERHEADS



HW **MEC** Avanzamento meccanico
Mechanical feed

APPLICAZIONE/APPLICATION:

Realizzazione di perlinati e parquet con 6 diversi profili ottenuti dalla combinazione delle 12 teste porta coltelli.

Production of 6 different types of tongue and groove profiles by the combination of 12 cutterheads suggested.

MACCHINA/MACHINE:

Scorniciatrice.

Moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Teste porta coltelli con corpo in acciaio - utilizzano inserti in hm di tipo standard reversibili.

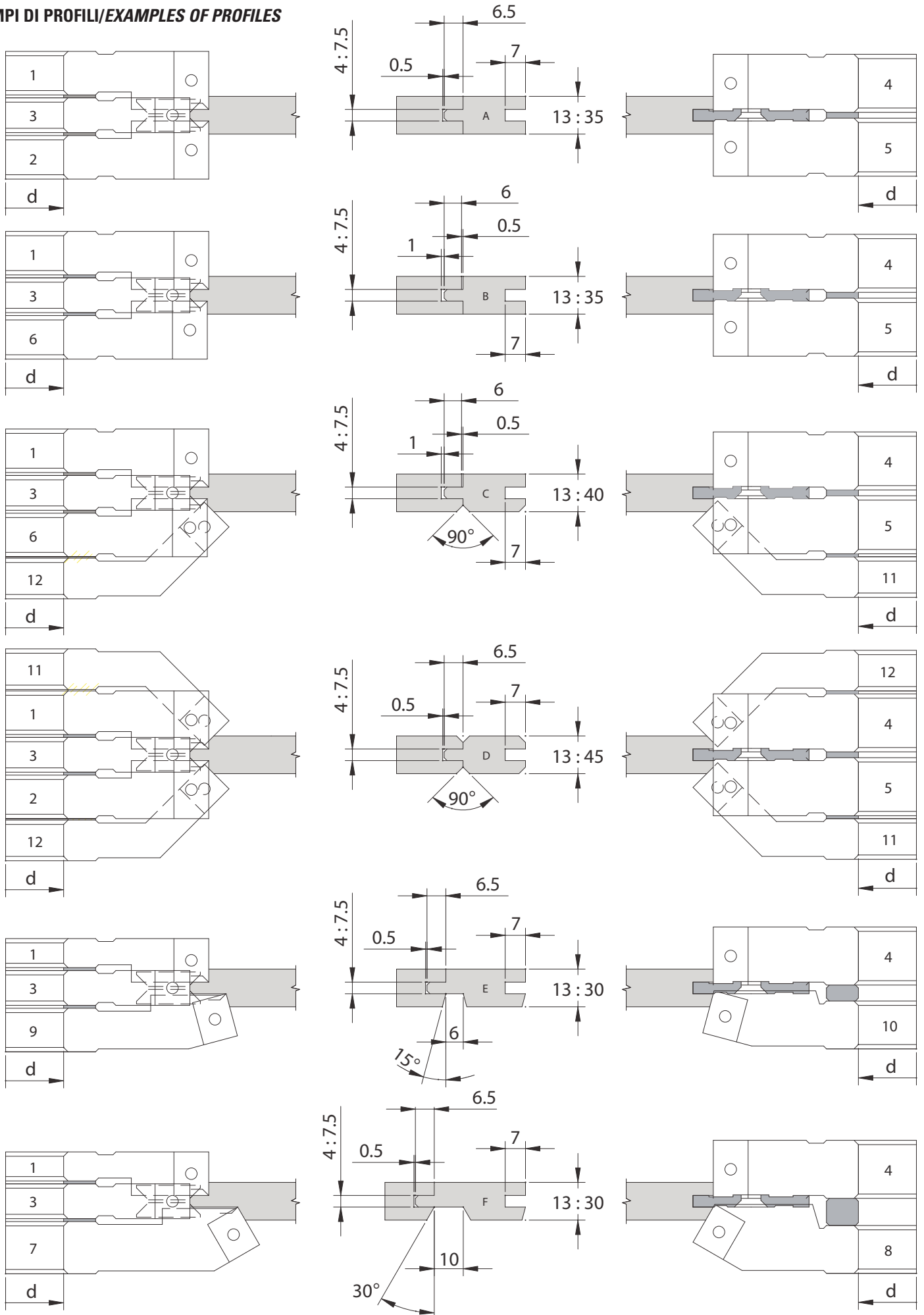
Set of 12 interlocking cutterheads adjustable for various wood thickness. Cutter body made by high tensile steel. All cutters use standard solid carbide reversible knives.

foro max d. 50 mm - RPM max 8.000 min⁻¹

RICAMBI/Spare Parts

Codice Code	D D	S S	Z Z	V V	LS LS	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw	Inserto Insert
2325.000.001	140	20	4	2	2	M23	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000	8130.220.045
2325.000.002	140	20	4	2	2	M23	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000	8130.220.045
2325.000.003	127	12	2	-	-	D17	8105.120.012	8280.100.000	8285.008.000			
2325.000.004	140	20	4	-	2	C23	8105.200.012	8280.160.000	8285.008.000			8140.040.000
2325.000.005	140	20	4	-	2	C23	8105.200.012	8280.160.000	8285.008.000			8140.040.000
2325.000.006	139	20	4	2	2	M23	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000	8130.220.045
2325.000.007	175	15	4	2	2	B26	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000	8130.220.045
2325.000.008	155	15	4	-	2	F25	8105.150.012	8280.130.000	8285.008.000			8140.040.000
2325.000.009	160	15	4	2	2	B26	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000	8130.220.045
2325.000.010	148	15	4	-	2	F25	8105.150.012	8280.130.000	8285.008.000			8140.040.000
2325.000.011	154	12	2	-	-	G20	8105.120.012	8280.100.000	8285.008.000			
2325.000.012	154	12	2	-	-	G20	8105.120.012	8280.100.000	8285.008.000			

ESEMPI DI PROFILI/EXAMPLES OF PROFILES





APPLICAZIONE/APPLICATION:

Realizzazione profili sagomati su disegno.
Production different types of customer made profiles.

MACCHINA/MACHINE:

Toupie, scorniciatrici, profilatrici.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno - si costruiscono con angoli idonei alla lavorazione dei diversi tipi di legno.

Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for different types of wood.

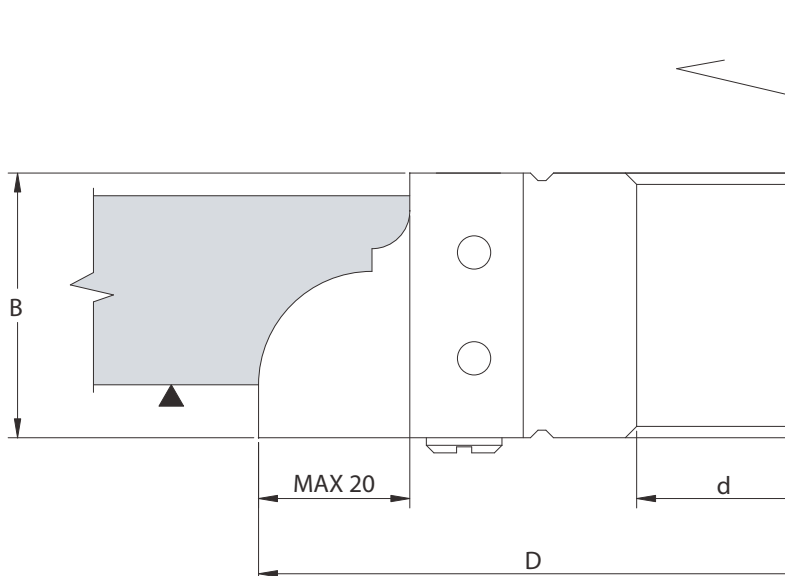
foro "d" da 30 a 50 mm

HW **MAN** Avanzamento manuale
Manual feed
MEC Avanzamento meccanico
Mechanical feed

Z=2 - art. 2350

Codice Code	D D	S S	Cod. Prezzo Price Code	Codice Code	D D	S S	Cod. Prezzo Price Code	Codice Code	D D	S S	Cod. Prezzo Price Code
2350.100.015	100	15	E21	2350.140.015	140	15	H22	2350.180.015	180	15	B24
2350.100.020	100	20	E21	2350.140.020	140	20	H22	2350.180.020	180	20	B24
2350.100.025	100	25	L21	2350.140.025	140	25	B23	2350.180.025	180	25	E24
2350.100.030	100	30	C22	2350.140.030	140	30	F23	2350.180.030	180	30	H24
2350.100.035	100	35	F22	2350.140.035	140	35	L23	2350.180.035	180	35	A25
2350.100.040	100	40	A23	2350.140.040	140	40	B24	2350.180.040	180	40	C25
2350.100.050	100	50	H23	2350.140.050	140	50	H24	2350.180.050	180	50	L25
2350.100.060	100	60	D24	2350.140.060	140	60	C25	2350.180.060	180	60	D26
2350.120.015	120	15	M21	2350.160.015	160	15	F23	2350.200.015	200	15	M24
2350.120.020	120	20	M21	2350.160.020	160	20	F23	2350.200.020	200	20	M24
2350.120.025	120	25	D22	2350.160.025	160	25	L23	2350.200.025	200	25	C25
2350.120.030	120	30	H22	2350.160.030	160	30	B24	2350.200.030	200	30	G25
2350.120.035	120	35	B23	2350.160.035	160	35	E24	2350.200.035	200	35	L25
2350.120.040	120	40	F23	2350.160.040	160	40	H24	2350.200.040	200	40	A26
2350.120.050	120	50	B24	2350.160.050	160	50	C25	2350.200.050	200	50	F26
2350.120.060	120	60	H24	2350.160.060	160	60	H25	2350.200.060	200	60	B27

RICAMBI/Spare Parts	ARTICOLO/Article
Coltello/knife	8170
Vite/Screw	8285.008.000
Chiave/Key	8350.040.000
Cuneo/Wedge	8280

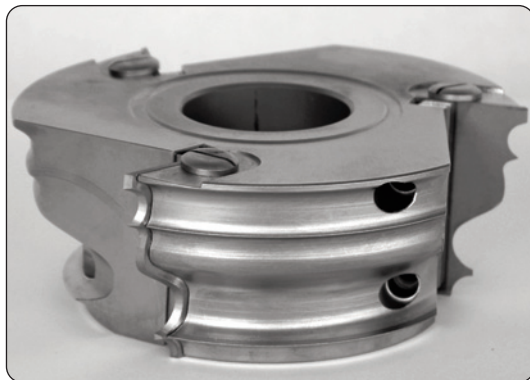


Z=3 - art. 2355

Codice Code	D D	S S	Cod. Prezzo Price Code	Codice Code	D D	S S	Cod. Prezzo Price Code	Codice Code	D D	S S	Cod. Prezzo Price Code
2355.100.015	100	15	E23	2355.140.015	140	15	G24	2355.180.015	180	15	A26
2355.100.020	100	20	E23	2355.140.020	140	20	G24	2355.180.020	180	20	A26
2355.100.025	100	25	H23	2355.140.025	140	25	A25	2355.180.025	180	25	D26
2355.100.030	100	30	B24	2355.140.030	140	30	D25	2355.180.030	180	30	H26
2355.100.035	100	35	E24	2355.140.035	140	35	G25	2355.180.035	180	35	A27
2355.100.040	100	40	L24	2355.140.040	140	40	A26	2355.180.040	180	40	E27
2355.100.050	100	50	F25	2355.140.050	140	50	H26	2355.180.050	180	50	B28
2355.100.060	100	60	D26	2355.140.060	140	60	C27	2355.180.060	180	60	H28
2355.120.015	120	15	M23	2355.160.015	160	15	D25	2355.200.015	200	15	M26
2355.120.020	120	20	M23	2355.160.020	160	20	D25	2355.200.020	200	20	M26
2355.120.025	120	25	C24	2355.160.025	160	25	G25	2355.200.025	200	25	C27
2355.120.030	120	30	G24	2355.160.030	160	30	A26	2355.200.030	200	30	M27
2355.120.035	120	35	A25	2355.160.035	160	35	D26	2355.200.035	200	35	C28
2355.120.040	120	40	D25	2355.160.040	160	40	H26	2355.200.040	200	40	D28
2355.120.050	120	50	A26	2355.160.050	160	50	E27	2355.200.050	200	50	A29
2355.120.060	120	60	F26	2355.160.060	160	60	A28	2355.200.060	200	60	G29

Z=4 - art. 2360

Codice Code	D D	S S	Cod. Prezzo Price Code	Codice Code	D D	S S	Cod. Prezzo Price Code	Codice Code	D D	S S	Cod. Prezzo Price Code
2360.100.015	100	15	C25	2360.140.015	140	15	G26	2360.180.015	180	15	E28
2360.100.020	100	20	C25	2360.140.020	140	20	G26	2360.180.020	180	20	E28
2360.100.025	100	25	F25	2360.140.025	140	25	M26	2360.180.025	180	25	M28
2360.100.030	100	30	B26	2360.140.030	140	30	F27	2360.180.030	180	30	D29
2360.100.035	100	35	E26	2360.140.035	140	35	M27	2360.180.035	180	35	H29
2360.100.040	100	40	A27	2360.140.040	140	40	E28	2360.180.040	180	40	B30
2360.100.050	100	50	L27	2360.140.050	140	50	D29	2360.180.050	180	50	A31
2360.100.060	100	60	E28	2360.140.060	140	60	M29	2360.180.060	180	60	E31
2360.120.015	120	15	L25	2360.160.015	160	15	F27	2360.200.015	200	15	G29
2360.120.020	120	20	L25	2360.160.020	160	20	F27	2360.200.020	200	20	G29
2360.120.025	120	25	B26	2360.160.025	160	25	M27	2360.200.025	200	25	B30
2360.120.030	120	30	G26	2360.160.030	160	30	E28	2360.200.030	200	30	H30
2360.120.035	120	35	M26	2360.160.035	160	35	M28	2360.200.035	200	35	M30
2360.120.040	120	40	F27	2360.160.040	160	40	D29	2360.200.040	200	40	B31
2360.120.050	120	50	E28	2360.160.050	160	50	B30	2360.200.050	200	50	L31
2360.120.060	120	60	A29	2360.160.060	160	60	H30	2360.200.060	200	60	D32



APPLICAZIONE/APPLICATION:

Realizzazione profili sagomati su disegno.
Production different types of customer made profiles.

MACCHINA/MACHINE:

Toupie, scorniciatrici, profilatrici.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno - si costruiscono con angoli idonei alla lavorazione dei diversi tipi di legno.

Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for different types of wood.

foro "d" da 30 a 50 mm

HW Avanzamento manuale
Manual feed

MAN Avanzamento manuale
Manual feed

MEC Avanzamento meccanico
Mechanical feed

Z=2 - Art. 2365

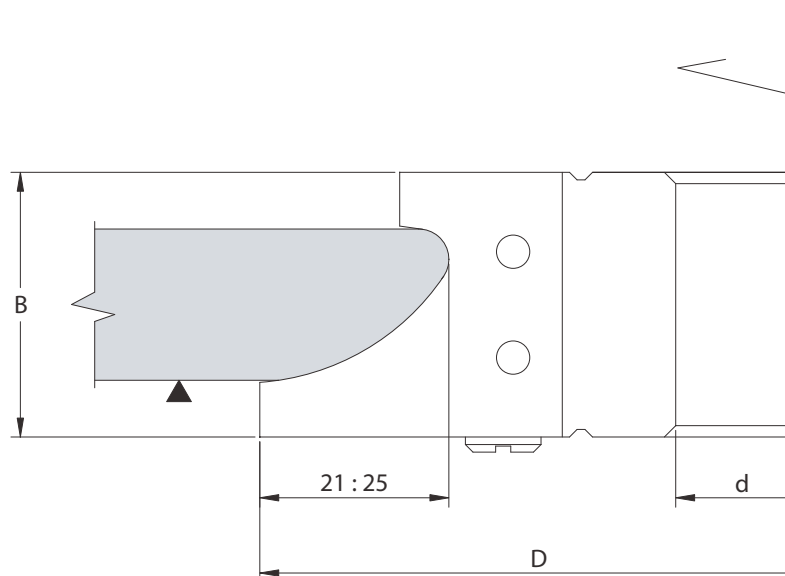
Codice Code	D D	S S	Cod. Prezzo Price Code
2365.140.030	140	30	F25
2365.140.040	140	40	B26
2365.140.050	140	50	H26
2365.140.060	140	60	C27
2365.160.030	160	30	B26
2365.160.040	160	40	H26
2365.160.050	160	50	C27
2365.160.060	160	60	H27
2365.180.030	180	30	E26
2365.180.040	180	40	C27
2365.180.050	180	50	L27
2365.180.060	180	60	D28
2365.200.030	200	30	G27
2365.200.040	200	40	A28
2365.200.050	200	50	F28
2365.200.060	200	60	B29

Z=3 - Art. 2370

Codice Code	D D	S S	Cod. Prezzo Price Code
2370.140.030	140	30	C28
2370.140.040	140	40	M28
2370.140.050	140	50	G29
2370.140.060	140	60	B30
2370.160.030	160	30	M28
2370.160.040	160	40	G29
2370.160.050	160	50	E30
2370.160.060	160	60	M30
2370.180.030	180	30	G29
2370.180.040	180	40	E30
2370.180.050	180	50	A31
2370.180.060	180	60	E31
2370.200.030	200	30	L30
2370.200.040	200	40	B31
2370.200.050	200	50	G31
2370.200.060	200	60	A32

Z=4 - Art. 2375

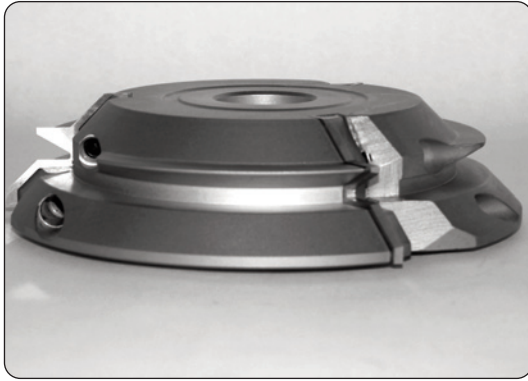
Codice Code	D D	S S	Cod. Prezzo Price Code
2375.140.030	140	30	C31
2375.140.040	140	40	L31
2375.140.050	140	50	F32
2375.140.060	140	60	M32
2375.160.030	160	30	L31
2375.160.040	160	40	F32
2375.160.050	160	50	A33
2375.160.060	160	60	F33
2375.180.030	180	30	F32
2375.180.040	180	40	A33
2375.180.050	180	50	H33
2375.180.060	180	60	A34
2375.200.030	200	30	F33
2375.200.040	200	40	L33
2375.200.050	200	50	D34
2375.200.060	200	60	G34



RICAMBI/Spare Parts	ARTICOLO/Article
Coltello/knife	8170
Vite/Screw	8285.008.000
Chiave/Key	8350.040.000
Cuneo/Wedge	8284

2400

TESTE PORTA COLTELLI PER GIUNZIONI A 45° MITRE JOINT CUTTERHEADS 45°



APPLICAZIONE/APPLICATION:

Esecuzione di giunzioni a 45°.
Production of 45° lock mitre joint.

MACCHINA/MACHINE:

Toupie.
Shapers.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno.
La giunzione si ottiene lavorando i pezzi in posizione orizzontale e verticale.
Manufactured with solid carbide micrograin knives. The mitre joint is done in two steps, first with workpiece in horizontal position and then with workpiece in vertical position.

n 5.000/8.000 min⁻¹

Foro d.max 50 mm (specificare nell'ordine/please state on the order).

HW

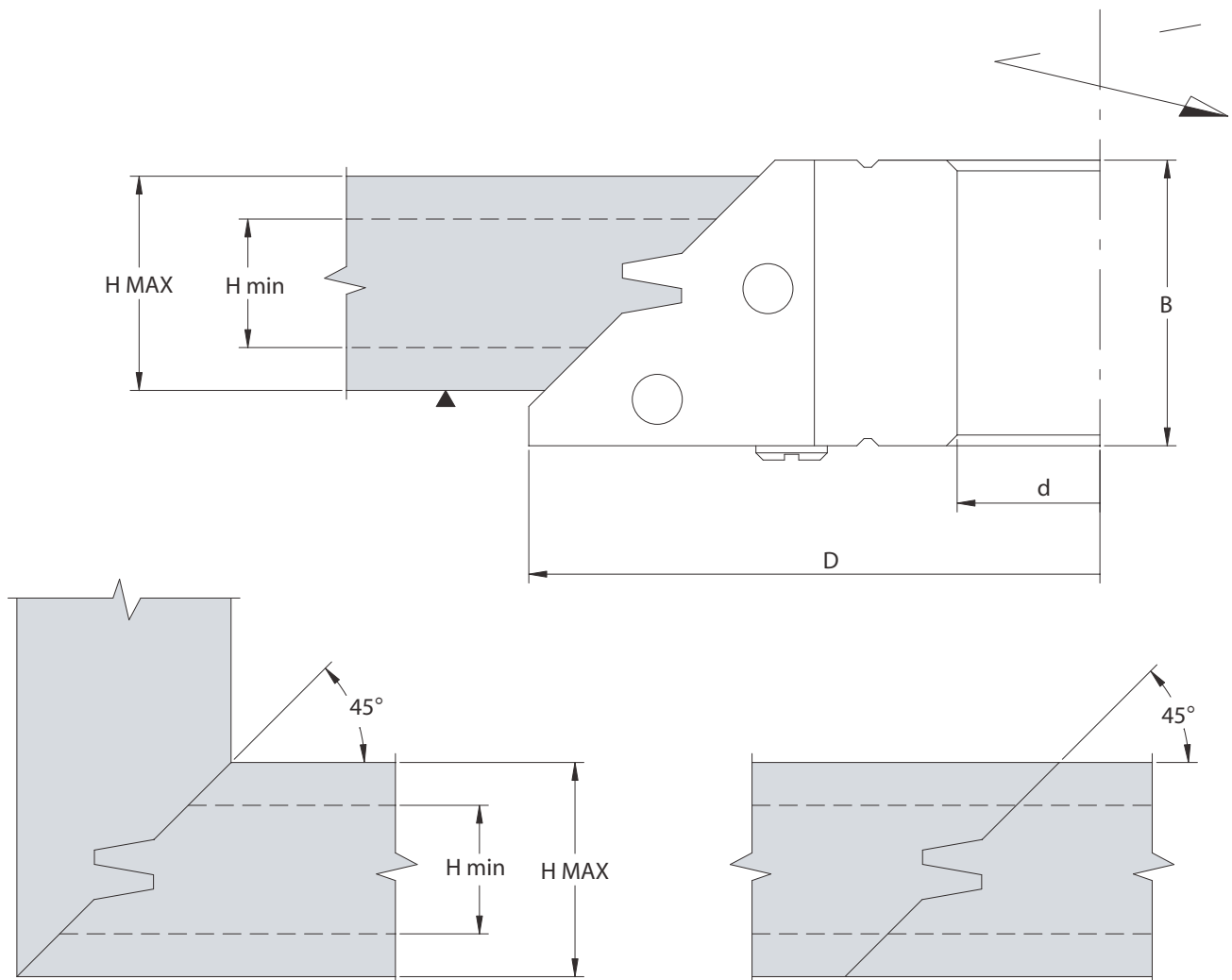
Z=3

MAN

Avanzamento manuale
Manual feed

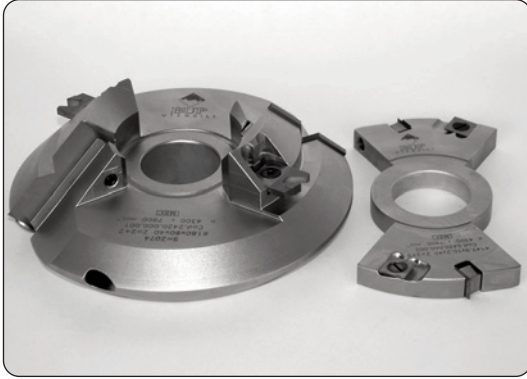
RICAMBI/Spare Parts

Codice Code	D D	B B	H min/max H min/max	Cod. Prezzo Price Code	Coltello Knife	Vite Screw	Chiave key
2400.160.040	160	40	16:30	M27	8170.040.040	8330.060.000	8350.040.000



2420

TESTE PORTA COLTELLI PER GIUNZIONI A 45° MITRE JOINT CUTTERHEADS 45°



APPLICAZIONE/APPLICATION:

Esecuzione di giunzioni a 45°.
Production of 45° lock mitre joint.

MACCHINA/MACHINE:

Toupie.
Shapers.

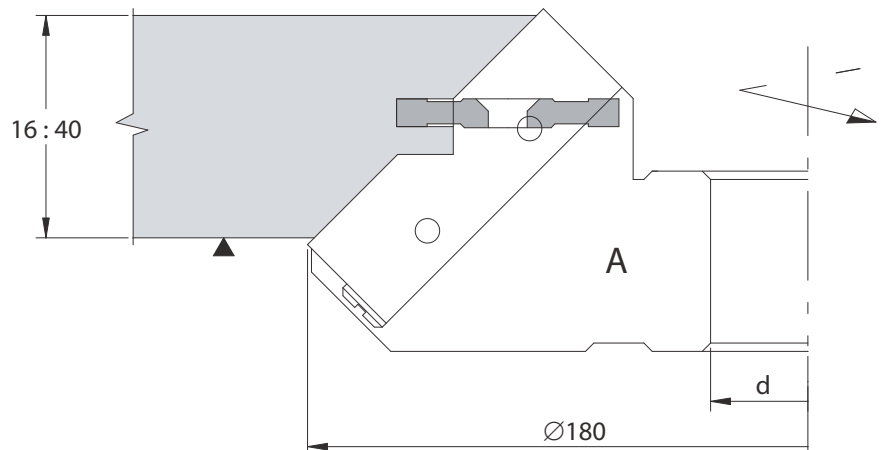
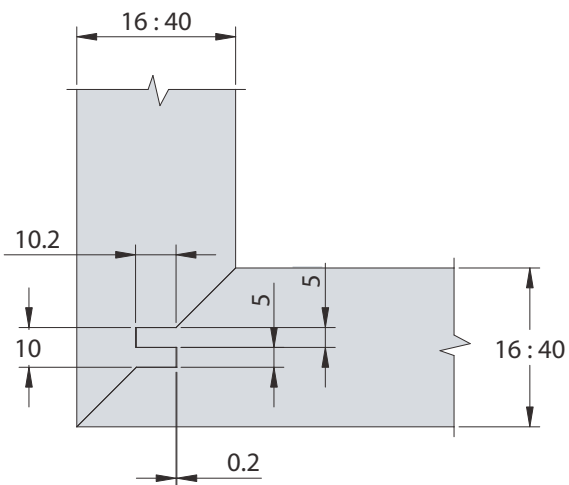
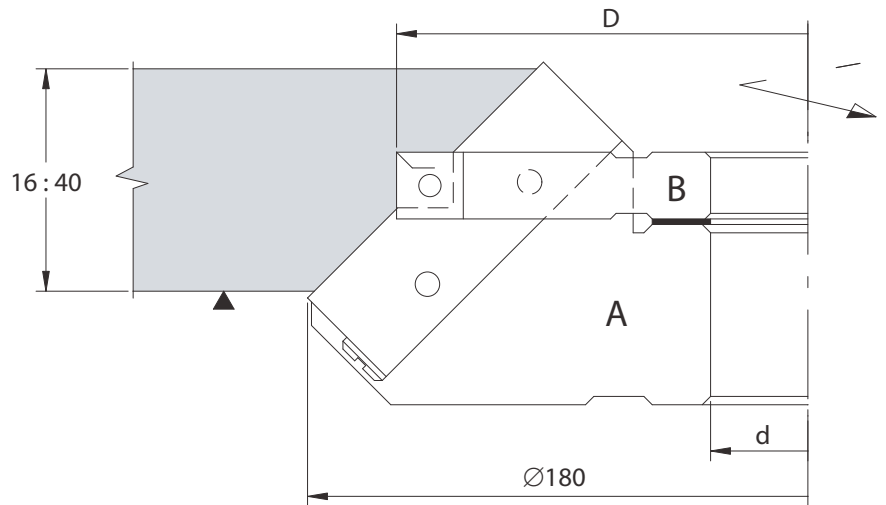
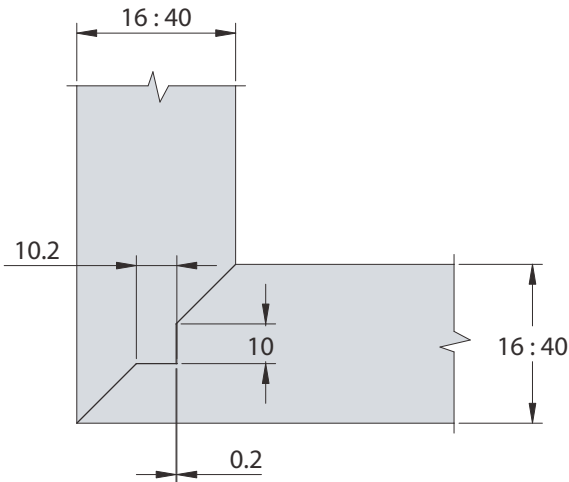
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno.
La giunzione si ottiene lavorando i pezzi in posizione orizzontale e verticale.
Manufactured with solid carbide micrograin knives. The mitre joint is done in two steps, first with workpiece in horizontal position and then with workpiece in vertical position.
n 4.300/7.800 min⁻¹
Foro d.max 50 mm (specificare nell'ordine/please state on the order).

HW **Z=2+2** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

Codice Code	D D	H H	Tipo Type	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Inserto canale Groove insert	Vite Screw	Incisore Spur	Vite Screw
2420.000.001	180	16:40	A	D30	8170.060.025	8280.560.000	8285.008.000	8142.050.025	8305.005.000		
2420.000.002	148		B	F21	8105.120.012	8280.100.000	8285.008.000			8120.140.002	8295.005.000



2430

TESTA PORTA COLTELLI MULTIPROFILO MULTI PROFILE CUTTERHEADS



APPLICAZIONE/APPLICATION:

Realizzazione di diversi profili sagomati.
Production of different special profiles.

MACCHINA/MACHINE:

Scorniciatrice/ Moulder.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno e supporti sagomati in HSS. L'utensile viene fornito privo di coltelli e di supporti. Nell'ordine specificare il diametro del foro "d".

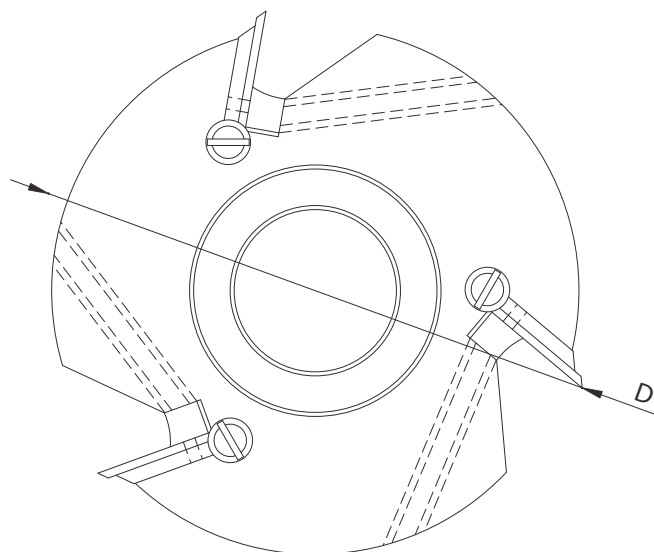
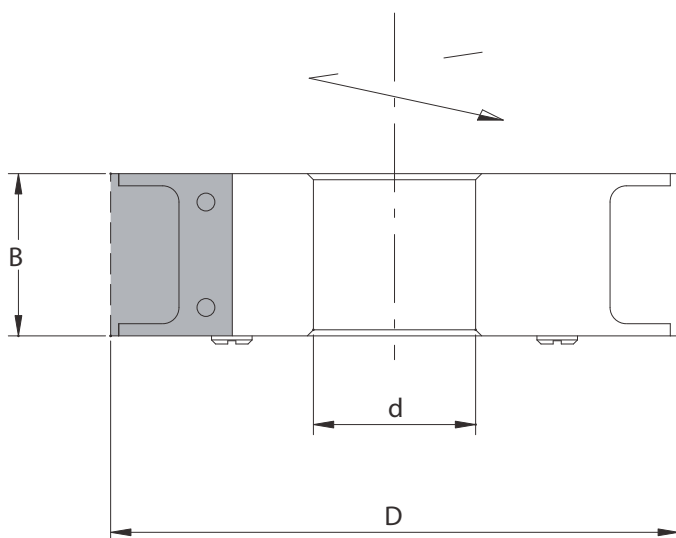
Manufactured to hold solid carbide micrograin knives and HS backing plates. Knives and backing plates not included in the cutterhead price. In the order please state bore diameter "d".

n max 7.000 min⁻¹

HW **Z=3** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

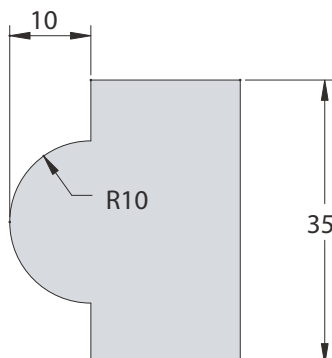
Codice Code	D D	B B	P max P max	Cod. Prezzo Price Code	Coltello Knife	Controcoltello Back plate	Cuneo Screw	Vite Key	Chiave Key
2430.140.040	140	40	10	L23	8170.040.030	8265.040.030	8270.360.000	8285.008.000	8350.040.000
2430.140.060	140	60	10	E24	8170.060.030	8265.060.030	8270.560.000	8285.008.000	8350.040.000
2430.140.041	140	40	15	L23	8170.040.035	8265.040.035	8270.360.000	8285.008.000	8350.040.000
2430.140.061	140	60	15	E24	8170.060.035	8265.060.035	8270.560.000	8285.008.000	8350.040.000



ESEMPIO PER DETERMINAZIONE PREZZO HOW TO CALCULATE THE PRICE

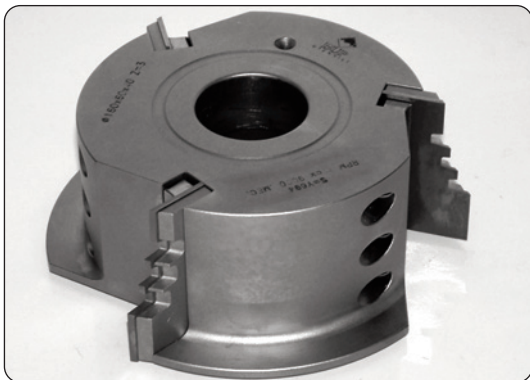
Profilo da eseguire :
Profile to be made : P = 10 H = 35

- n.1 art. 2430.140.040
- n.3 art. 8170.040.030
- n.3 art. 8265.040.030



2435 - 2440

TESTA PORTA COLTELLI MULTIPROFILO MULTI PROFILE CUTTERHEADS



APPLICAZIONE/APPLICATION:
Realizzazione di diversi profili sagomati.
Production of different special profiles.

MACCHINA/MACHINE:
Scorniatrice/ Moulder.

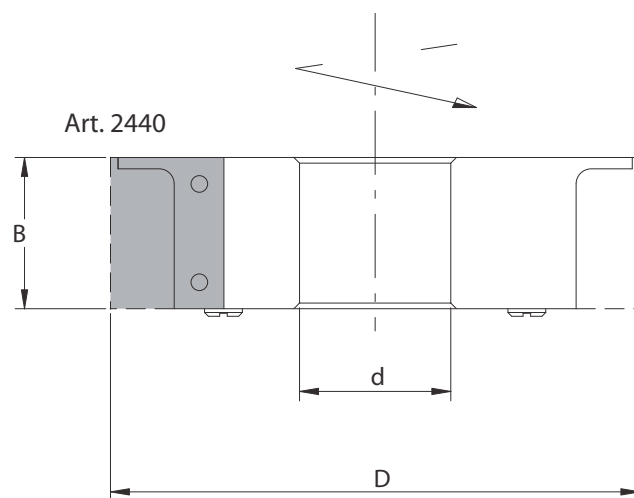
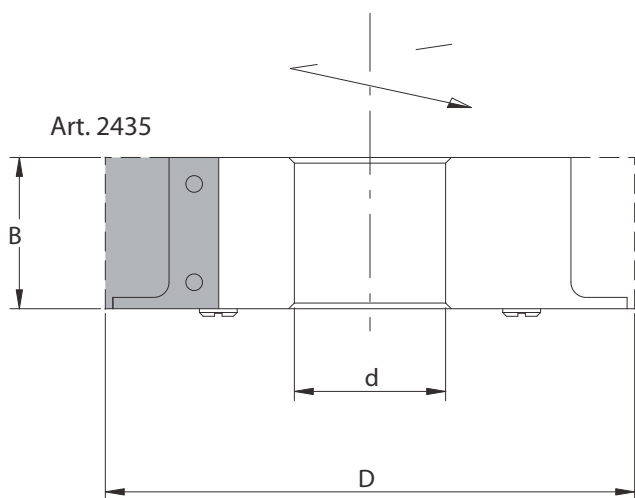
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:
Esecuzione con coltelli intercambiabili in HW integrale micrograno e supporti sagomati in HSS. L'utensile viene fornito privo di coltelli e di supporti. Nell'ordine specificare il diametro del foro "d".
Manufactured to hold solid carbide micrograin knives and HS backing plates. Knives and backing plates not included in the cutterhead price. In the order please state bore diameter "d".

n max 7.000 min⁻¹

HW **Z=3** **MEC** Avanzamento meccanico
Mechanical feed

RICAMBI/Spare Parts

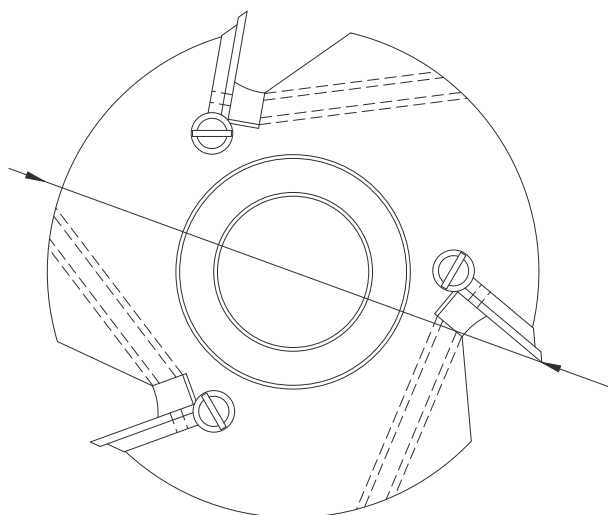
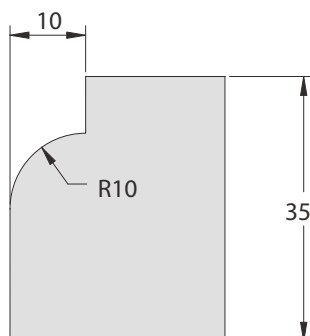
Codice Code	D D	B B	P max P max	Cod. Prezzo Price Code	Coltello Knife	Controcoltello Back plate	Cuneo Screw	Vite Key	Chiave Key
2435.140.040	140	40	10	L23	8170.040.030	8265.040.030	8270.360.000	8285.008.000	8350.040.000
2435.140.060	140	60	10	E24	8170.060.030	8265.060.030	8270.560.000	8285.008.000	8350.040.000
2435.140.041	140	40	15	L23	8170.040.035	8265.040.035	8270.360.000	8285.008.000	8350.040.000
2435.140.061	140	60	15	E24	8170.060.035	8265.060.035	8270.560.000	8285.008.000	8350.040.000
2440.140.040	140	40	10	L23	8170.040.030	8265.040.030	8270.360.000	8285.008.000	8350.040.000
2440.140.060	140	60	10	E24	8170.060.030	8265.060.030	8270.560.000	8285.008.000	8350.040.000
2440.140.041	140	40	15	L23	8170.040.035	8265.040.035	8270.360.000	8285.008.000	8350.040.000
2440.140.061	140	60	15	E24	8170.060.035	8265.060.035	8270.560.000	8285.008.000	8350.040.000



ESEMPIO PER DETERMINAZIONE PREZZO HOW TO CALCULATE THE PRICE

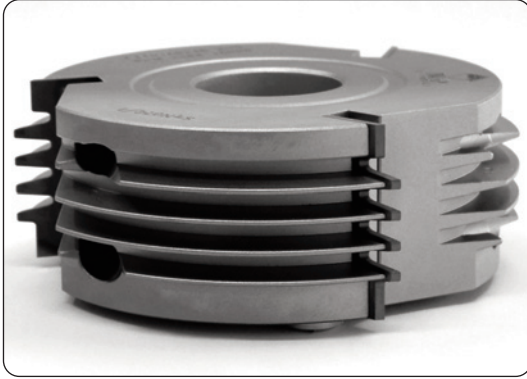
Profilo da eseguire :
Profile to be made : P = 10 H = 35

- n.1 art. 2430.140.040
- n.3 art. 8170.040.030
- n.3 art. 8265.040.030



2470

TESTA PORTA COLTELLI PER GIUNZIONI GLUE JOINT CUTTERHEADS



APPLICAZIONE/APPLICATION:

Esecuzione di profili a pettine per giunzione di pannelli.
For cutting of glue joints in solid wood and panels.

MACCHINA/MACHINE:

Toupie, scorniciatrici, squadratrici/*Shapers and moulders.*

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. agendo sulla vite di posizionamento si ottengono giunzioni strette o lasche secondo la richiesta.
Manufactured with solid carbide micrograin knives. by adjusting the positioning screw with the uses of the graduated scale "tight" or "loose" joints can be obtained depending on requirements.

foro "d" max 50 mm

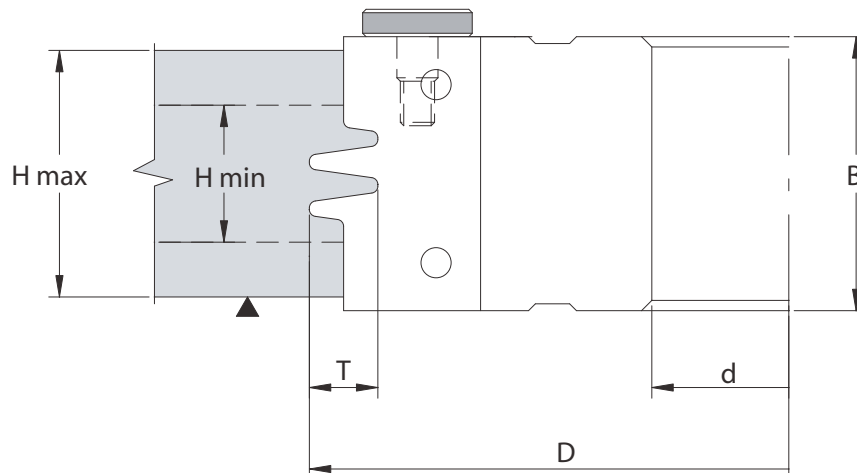
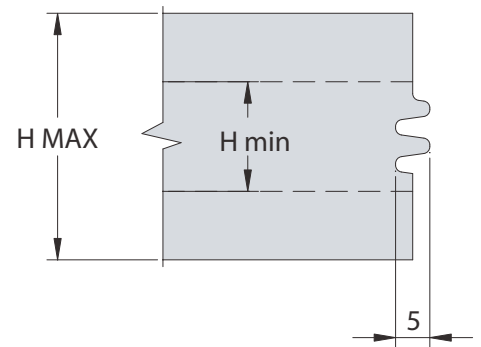
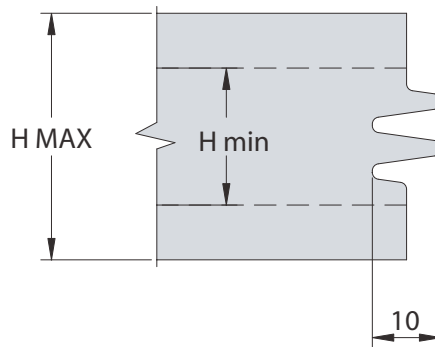
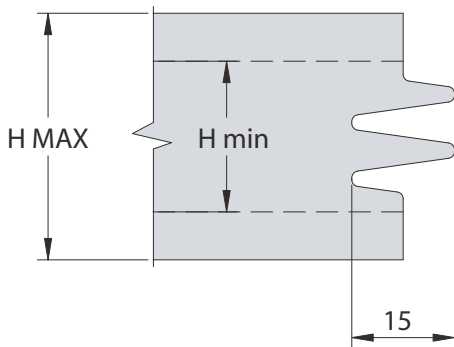
B= 30 n. 6.000/10.500 min⁻¹ - B= 40 n. 6.000/10.500 min⁻¹

B= 50 n. 5.500/9.500 min⁻¹ - B= 60 n. 5.500/9.500 min⁻¹

HW **Z=4** **MAN** Avanzamento manuale
Manual feed

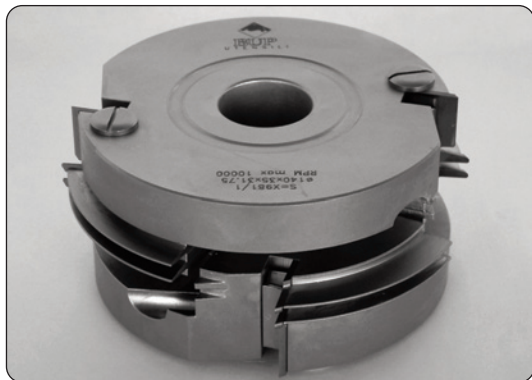
RICAMBI/Spare Parts

Codice Code	D D	B B	H H	ND ND	T T	Cod. Prezzo Price Code	Coltello Knife	Cuneo Gib	Vite Screw	Chiave key
2470.140.305	140	30	14÷26	1	5	B27	8230.030.005	8280.260.000	8285.008.000	8350.040.000
2470.140.308	140	30	14÷26	1	10	L27	8230.030.010	8280.260.000	8285.008.000	8350.040.000
2470.140.312	140	30	14÷26	1	15	E28	8230.030.015	8280.260.000	8285.008.000	8350.040.000
2470.140.405	140	40	20÷36	2	5	B28	8230.040.005	8280.360.000	8285.008.000	8350.040.000
2470.140.408	140	40	20÷36	2	10	G28	8230.040.010	8280.360.000	8285.008.000	8350.040.000
2470.140.412	140	40	20÷36	2	15	C29	8230.040.015	8280.360.000	8285.008.000	8350.040.000
2470.140.505	140	50	26÷46	3	5	G28	8230.050.005	8280.460.000	8285.008.000	8350.040.000
2470.140.508	140	50	26÷46	3	10	F29	8230.050.010	8280.460.000	8285.008.000	8350.040.000
2470.140.512	140	50	26÷46	3	15	B30	8230.050.015	8280.460.000	8285.008.000	8350.040.000
2470.140.605	140	60	33÷56	4	5	E30	8230.060.005	8280.560.000	8285.008.000	8350.040.000
2470.140.608	140	60	33÷56	4	10	B31	8230.060.010	8280.560.000	8285.008.000	8350.040.000
2470.140.612	140	60	33÷56	4	15	F31	8230.060.015	8280.560.000	8285.008.000	8350.040.000



2475

TESTA PORTA COLTELLI PER GIUNZIONI GLUE JOINT ADJUSTABLE CUTTERHEADS



APPLICAZIONE/APPLICATION:

Esecuzione di profili a pettine per giunzione di pannelli.
For cutting of glue joints in solid wood and panels.

MACCHINA/MACHINE:

Toupie, scorniciatrici, squadratrici.
Shapers and moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

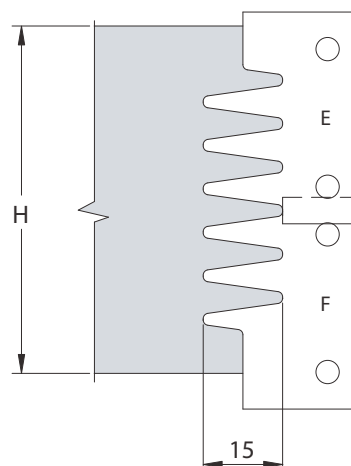
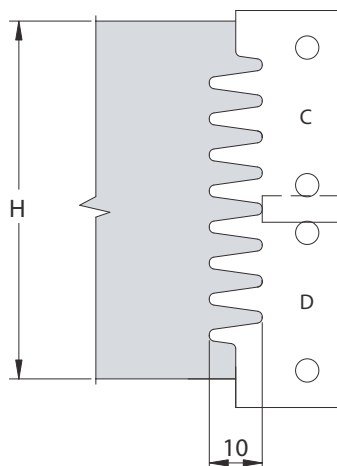
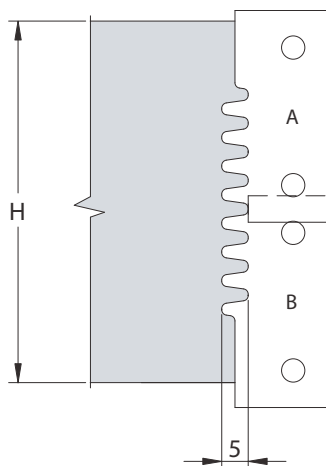
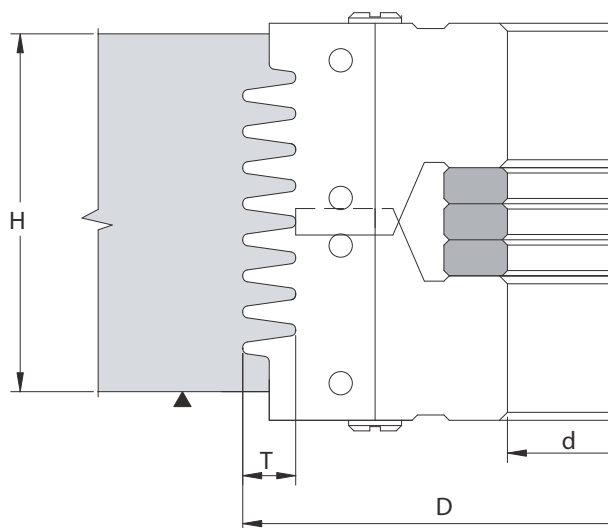
Esecuzione con coltelli in hw integrale micrograno. esecuzione in due parti separate e registrabili mediante anelli corpo in lega leggera ERGAL.

Manufactured with solid carbide micrograin knives. Produced in two pieces adjustable by spacers. Cutter body made by high resistance ERGAL light alloy.

Foro "d" max 50 mm - n. 5.000/8.500 min⁻¹

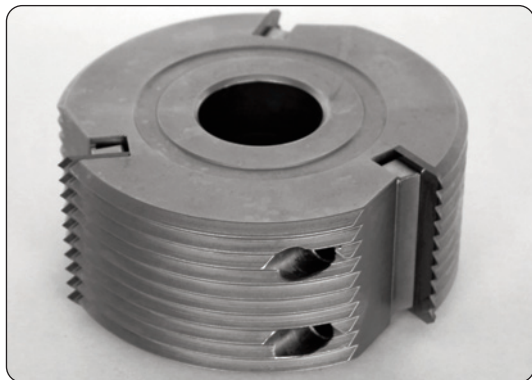
HW **Z=2+2** **MAN** Avanzamento manuale
Manual feed

Codice Code	D D	H H	T T	Cod. Prezzo Price Code	RICAMBI/Spare Parts				
					Coltello Knife	ND ND	Cuneo Gib	Vite Screw	Chiave Key
2475.140.005	140	30:70	5	C32	A-8235.040.005	4	8280.360.000	8285.008.000	8350.040.000
					B-8235.041.005	4	8280.360.000	8285.008.000	8350.040.000
2475.140.010	140	35:68	10	C33	C-8235.040.010	4	8280.360.000	8285.008.000	8350.040.000
					D-8235.041.010	4	8280.360.000	8285.008.000	8350.040.000
2475.140.015	140	35:65	15	A34	E-8235.040.015	3	8280.360.000	8285.008.000	8350.040.000
					F-8235.041.015	3	8280.360.000	8285.008.000	8350.040.000



2480

TESTA PORTA COLTELLI PER GIUNZIONI GLUE JOINT ADJUSTABLE CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Esecuzione di profili a pettine per giunzione di pannelli.
For cutting of glue joints in solid wood and panels.

MACCHINA/MACHINE:

Toupie, scorniciatrici, squadratrici.
Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. corpo in lega leggera ERGAL.
Manufactured with solid carbide micrograin knives. cutter body made by high resistance ERGAL light alloy.

foro "d" max 50 mm

B= 50 n. 5.500/9.500 min⁻¹

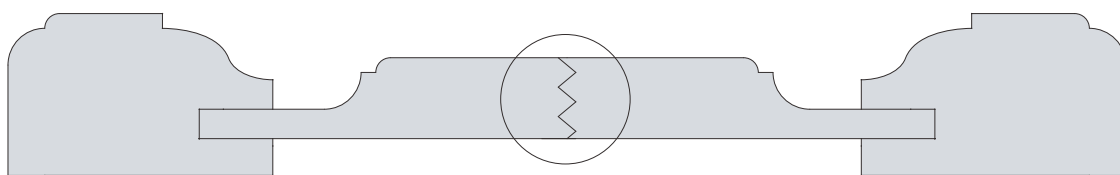
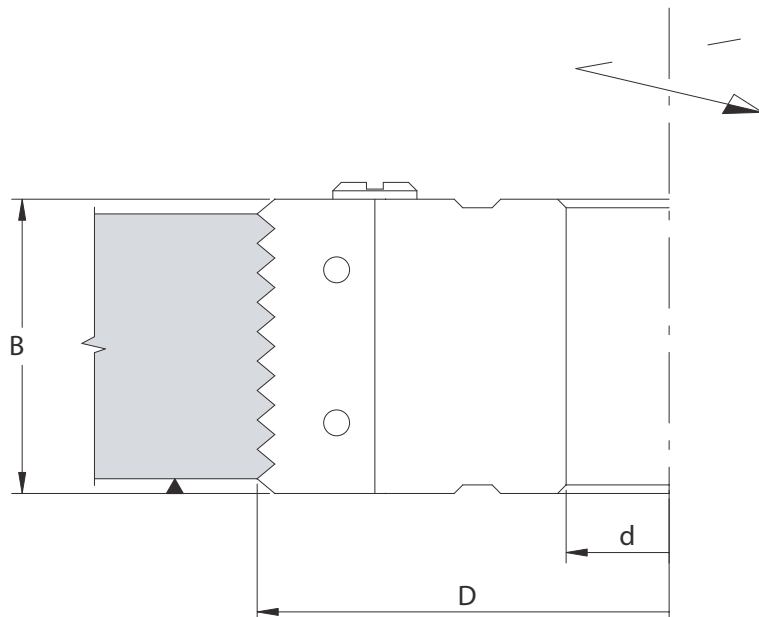
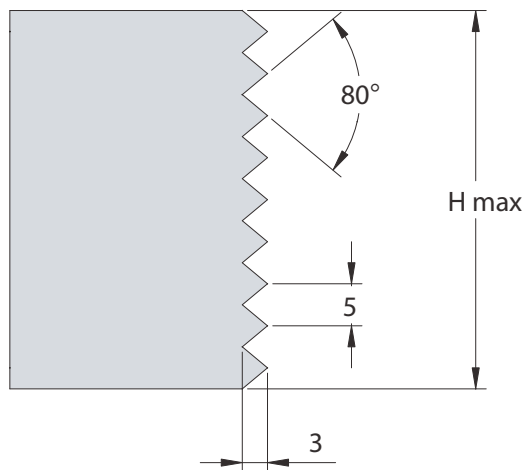
B= 60 n. 5.500/9.500 min⁻¹

B= 80 n. 4.800/9.200 min⁻¹

HW **Z=3** **MAN** Avanzamento manuale
Manual feed

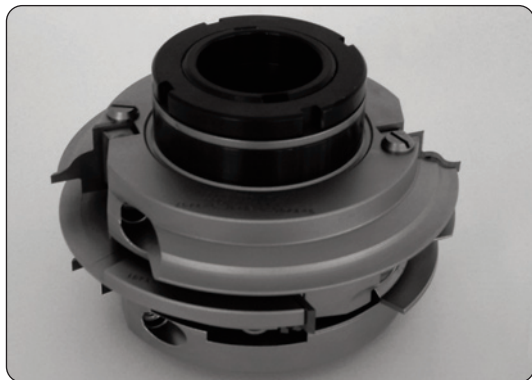
RICAMBI/Spare Parts

Codice Code	D D	B B	H max H max	Cod. Prezzo Price Code	Coltello Knife	Cuneo Gib	Vite Screw	Chiave Key
2480.140.050	140	50	45	L25	8240.050.020	8280.460.000	8285.008.000	8350.040.000
2480.140.060	140	60	55	L26	8240.060.020	8280.560.000	8285.008.000	8350.040.000
2480.140.080	140	80	75	G28	8240.080.020	8280.760.000	8285.008.000	8350.040.000



2510

GRUPPO PER ANTINE MULTIPROFICO STILE AND RAIL MULTIPROFILE CUTTERSET



APPLICAZIONE/APPLICATION:

Esecuzione di profili e controprofili per antine.
To produce stile and rails for kitchen doors

MACCHINA/MACHINE:

Toupie/Shapers.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

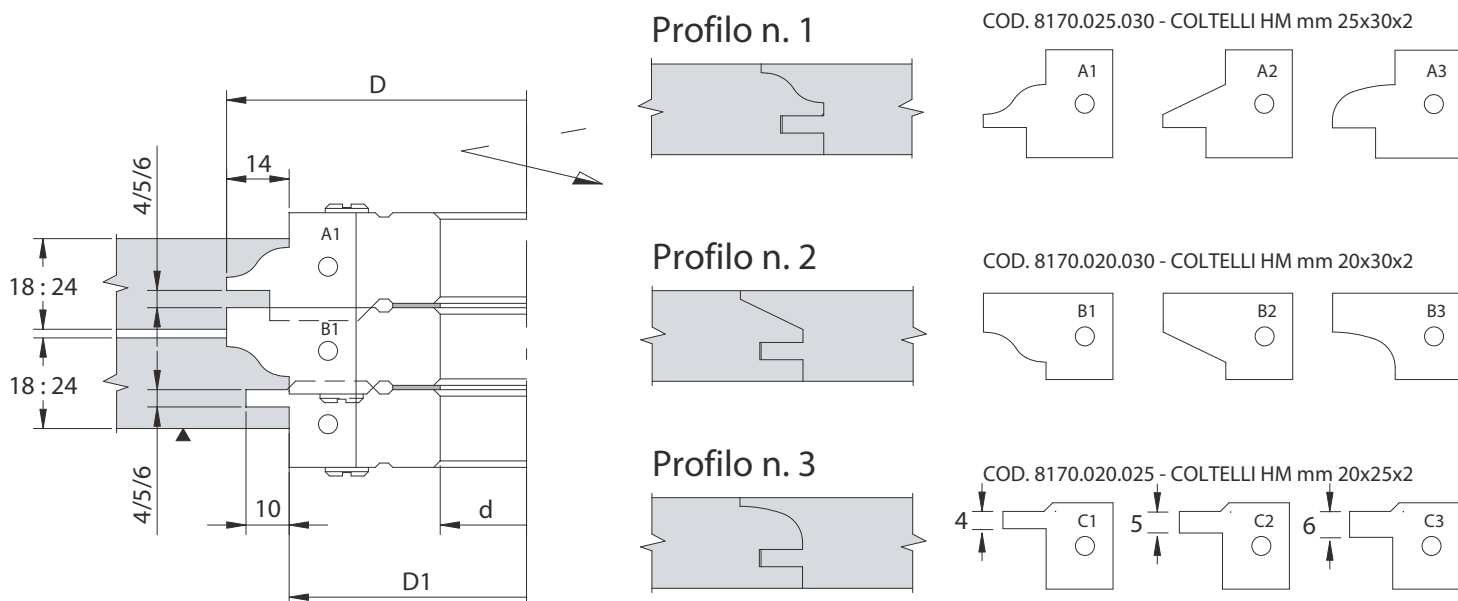
Esecuzione con coltelli in hw integrale micrograno. corpo in lega leggera ERGAL.
Nell'ordine indicare il tipo di profilo richiesto fra quelli proposti, regolando l'altezza del gruppo si ottengono sia il profilo che il controprofilo.
Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. In the order please state the required profile (a, b or c). Stile and rails are obtained adjusting the cutterset height.

HW **Z=2** **MAN** Avanzamento manuale
Manual feed

Codice Code	D	D ₁	d	n. min/max n. min/max	Cod. Prezzo Price Code	RICAMBI/Spare Parts			
						Coltello Knife	Cuneo Gib	Vite Screw	Chiave Key
2510.090.000	119	90	30	6500-10.500	D33	A1-8170.025.030	8280.210.000	8285.008.000	8350.040.000
2510.100.000	139	110	50*	5500-9.500	M33	A2-8170.025.030	8280.210.000	8285.008.000	8350.040.000
						A3-8170.025.030	8280.210.000	8285.008.000	8350.040.000
						B1-8170.020.030	8280.160.000	8285.008.000	8350.040.000
						B2-8170.020.030	8280.160.000	8285.008.000	8350.040.000
						B3-8170.020.030	8280.160.000	8285.008.000	8350.040.000
						C1-8170.020.025	8280.160.000	8285.008.000	8350.040.000
						C2-8170.020.025	8280.160.000	8285.008.000	8350.040.000
						C3-8170.020.025	8280.160.000	8285.008.000	8350.040.000

* Per fori d. 30/35/40 aggiungere mozzo porta frese art. 8385

* For bores "d" 30 / 35 / 40 please add sleeves art. 8385



Nell'ordine specificare il profilo richiesto (profilo 1-2-3) e la larghezza del canale (C1-C2-C3)
With the order please specify the profile required (profile 1-2-3) and the groove thickness (C1-C2-C3)

2515

TESTA PORTA COLTELLI MULTIPROFILO PER PIATTABANDE MULTIPROFILE PANEL RAISING CUTTERHEADS



APPLICAZIONE/APPLICATION:

Realizzazione di profili di piattabande.
To produce raised panels profiles.

MACCHINA/MACHINE:

Toupie, squadratrici/Shapers, double end tenoners

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. Corpo in lega leggera ERGAL.
Le teste utilizzano coltelli sagomati per realizzare i diversi profili.

Nell'ordine indicare il diametro del foro " d ".

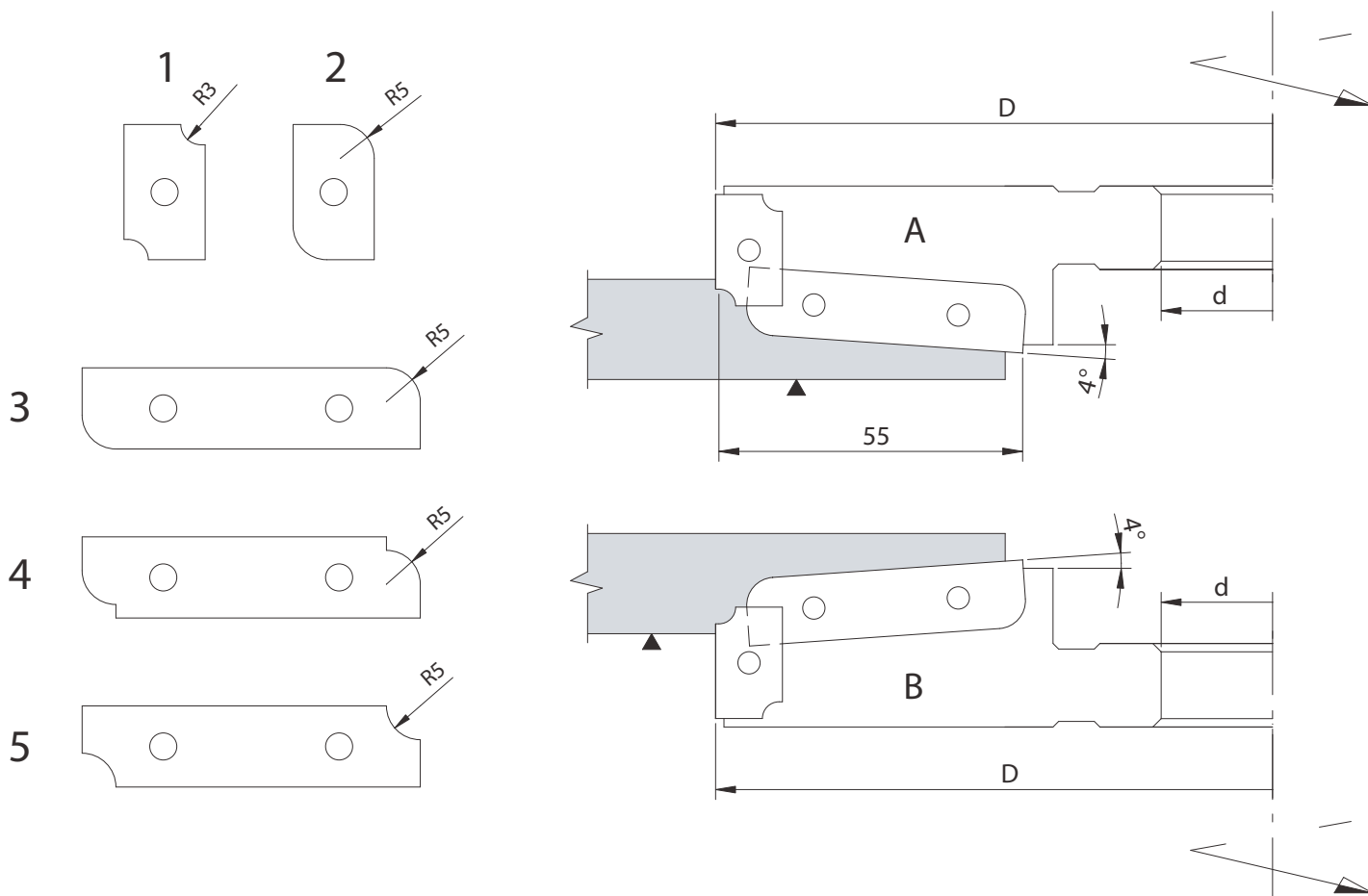
Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. Cutters use different profiled knives to produce various profiles. In the order please state the bore diameter".

n= 4.500/7.400 min⁻¹

HW **Z=2+2** **MAN** Avanzamento manuale
Manual feed

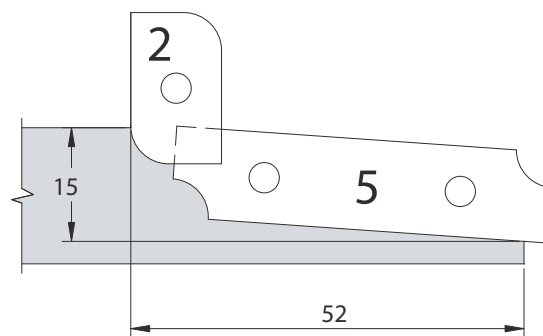
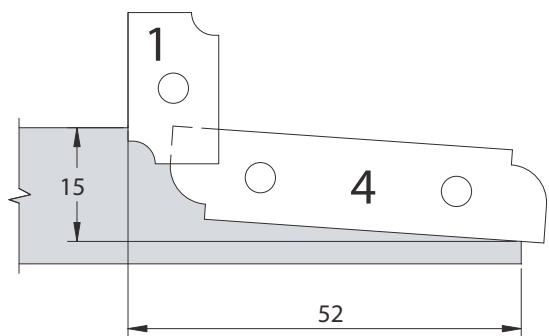
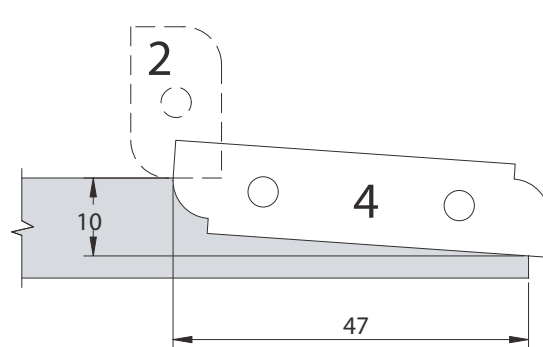
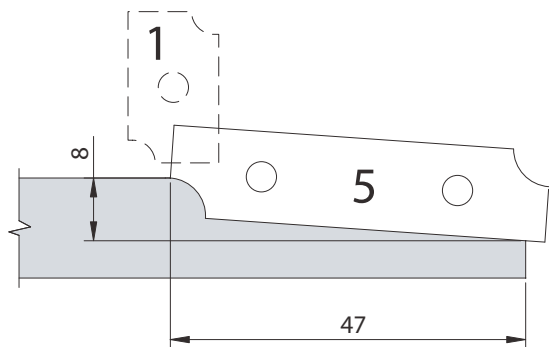
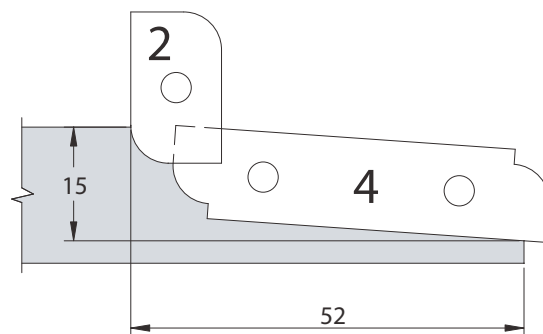
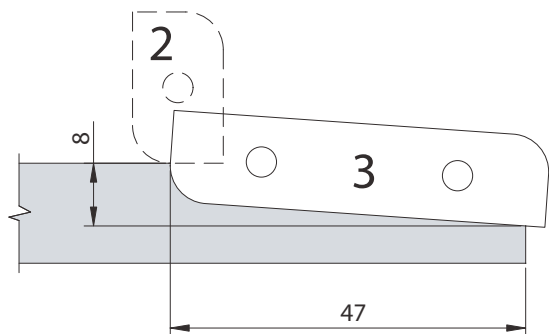
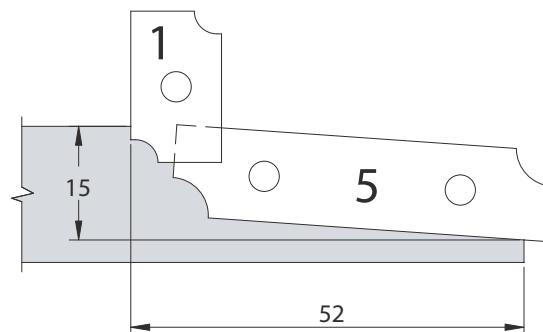
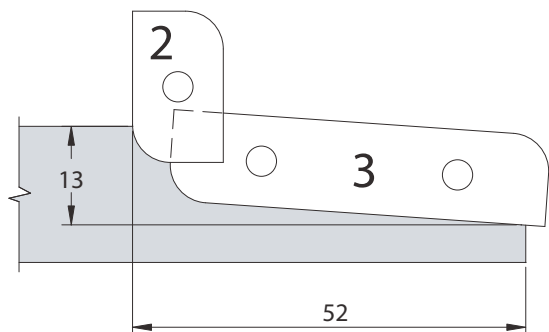
RICAMBI/Spare Parts

Codice Code	D D	d d	Rotazione Rotation	Cod. Prezzo Price Code	Coltello Knife	Cuneo Gib	Ghiera Nut	Vite Screw	Chiave Key
2515.200.001	200	30/35/40/50	A	H27	A1-8245.000.001	8282.160.000	8287.100.000	8286.006.000	8350.030.000
					A2-8245.000.002	8282.160.000	8287.100.000	8286.006.000	8350.030.000
					A3-8245.000.003	8282.460.000	8287.100.000	8286.006.000	8350.030.000
					A4-8245.000.004	8282.460.000	8287.100.000	8286.006.000	8350.030.000
					A5-8245.000.005	8282.460.000	8287.100.000	8286.006.000	8350.030.000
2515.200.002	200	30/35/40/50	B	H27	B1-8245.000.011	8282.160.000	8287.100.000	8286.006.000	8350.030.000
					B2-8245.000.012	8282.160.000	8287.100.000	8286.006.000	8350.030.000
					B3-8245.000.013	8282.460.000	8287.100.000	8286.006.000	8350.030.000
					B4-8245.000.014	8282.460.000	8287.100.000	8286.006.000	8350.030.000
					B5-8245.000.015	8282.460.000	8287.100.000	8286.006.000	8350.030.000



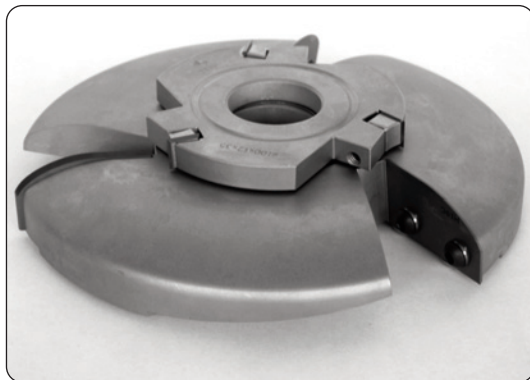
2515

TESTA PORTA COLTELLI MULTIPROFILO PER PIATTABANDE
MULTIFILES RAISED PANEL CUTTERHEAD



2516

TESTA PORTA COLTELLI MULTIPROFILO PER PIATTABANDE MULTIPROFILE PANEL RAISING CUTTERHEADS



APPLICAZIONE/APPLICATION:

Realizzazione di profili di piattabande.
To produce raised panels profiles.

MACCHINA/MACHINE:

Toupie, squadratrici/Shapers, double end tenoners

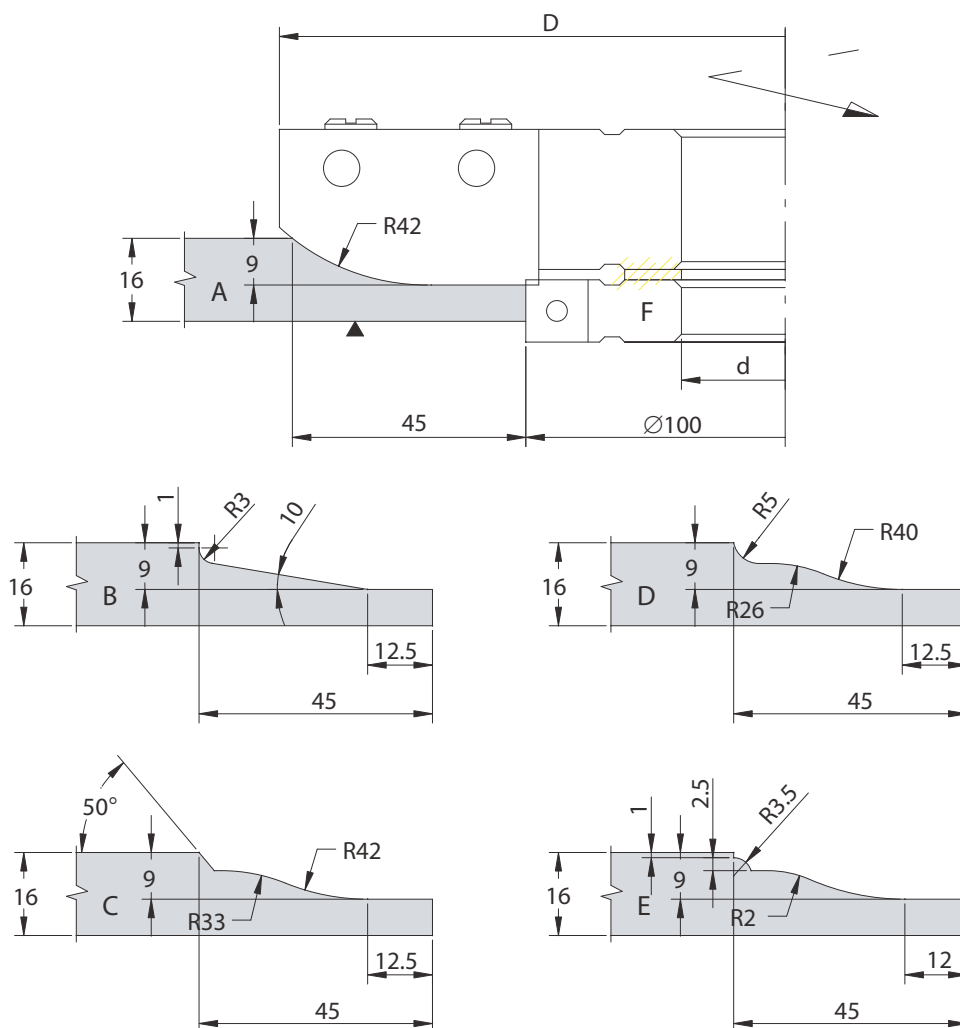
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. Corpo in lega leggera ERGAL.
Le teste utilizzano coltelli sagomati per realizzare i diversi profili. Nell'ordine indicare il diametro del foro " d ". Il gruppo include n. 15 coltelli sagomati, n.3 per tipo.
Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. Cutters use different profiled knives to produce various profiles. In the order please state the bore diameter".
The cutterset include nr. 15 profiled knives, nr. 3 each type.
n= 4.500/7.400 min⁻¹

HW **Z=3** **MAN** Avanzamento manuale
Manual feed

RICAMBI/Spare Parts

Codice Code	D D	d max d max	Cod. Prezzo Price Code	Profilo Profile	Coltello Knife	Cuneo Wedge	Vite Nut	Chiave Key
2516.200.000	195	50	D35	A	8170.050.030	-	8330.060.000	8350.040.000
				B	8170.050.030	-	8330.060.000	8350.040.000
				C	8170.050.030	-	8330.060.000	8350.040.000
				D	8170.050.030	-	8330.060.000	8350.040.000
				E	8170.050.030	-	8330.060.000	8350.040.000
				F	8105.120.012	8280.100.000	8285.008.000	8350.040.000



2520

TESTA PORTA COLTELLI PER PIATTABANDE PANEL RAISING CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Realizzazione di profili di piattabande/To produce raised panels profiles.

MACCHINA/MACHINE:

Toupie, squadratrici/Shapers, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. corpo in lega leggera ERGAL. Si costruiscono con angoli idonei alla lavorazione dei diversi tipi di legno.

Nell'ordine indicare il diametro del foro "d".

Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. Produced with suitable cutting angles for different types of wood. In the order please state the bore diameter "d".

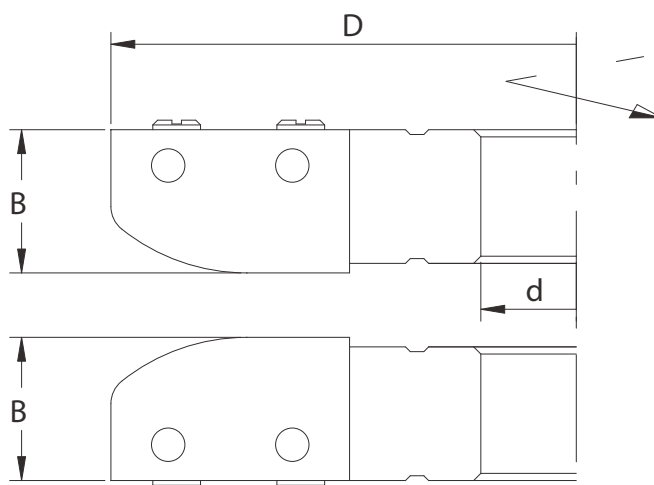
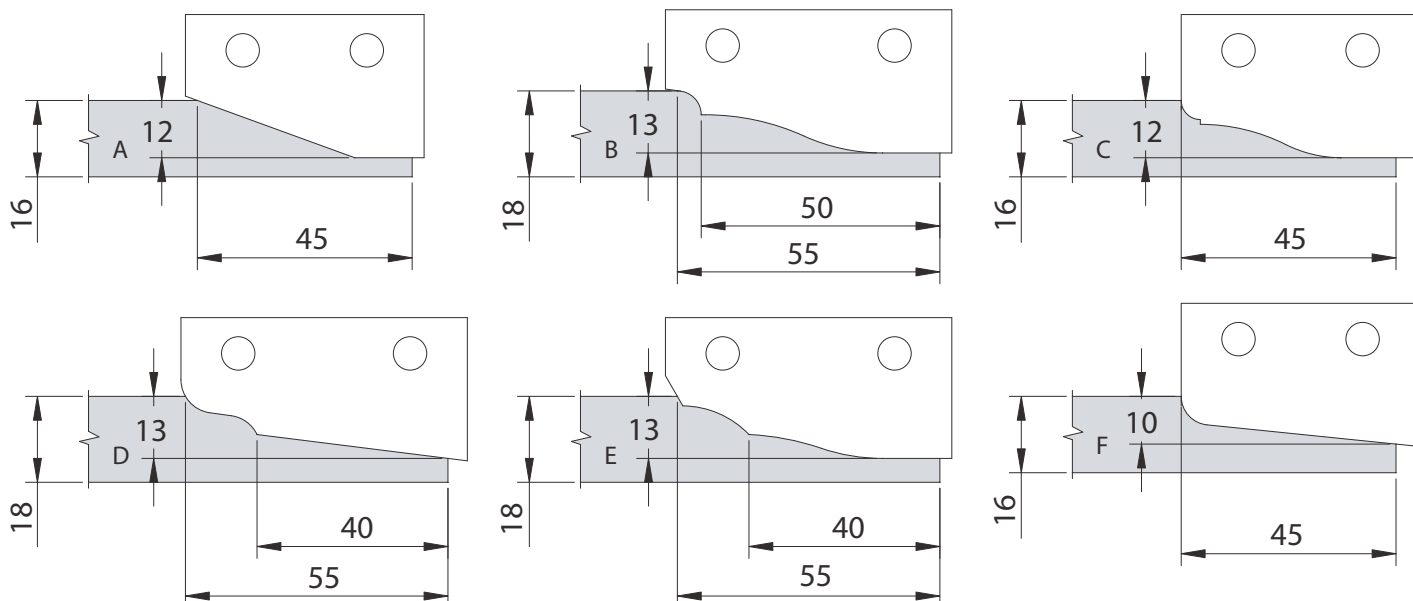
D. 160 mm - n. 4.800/9.000 min⁻¹ - D. 180 mm - n. 4.400/7.500 min⁻¹

D. 200 mm - n. 4.000/7.000 min⁻¹ - D. 250 mm - n. 3.200/5.800 min⁻¹

HW **Z=3** **MAN** Avanzamento manuale
Manual feed

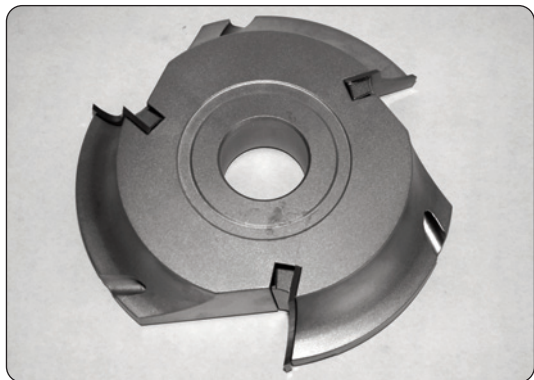
RICAMBI/Spare Parts

Codice Code	D D	B B	d max d max	Cod. Prezzo Price Code	Coltello Knife	Vite Screw	Chiave key
2520.160.030	160	30	30	D27	8170	8330.060.000	8350.040.000
2520.180.030	180	30	40	L28	8170	8330.060.000	8350.040.000
2520.200.030	200	30	50	E30	8170	8330.060.000	8350.040.000
2520.250.030	250	30	50	E32	8170	8330.060.000	8350.040.000

**ESEMPI DI PROFILI / PROFILE SAMPLE**

2530

TESTA PORTA COLTELLI PER QUARTI DI TONDO QUARTER ROUND CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Esecuzione di quarti di tondo/To produce quarter round edges profiles.

MACCHINA/MACHINE:

Toupie, scorniatrice/Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. Corpo in lega leggera ERGAL. Si costruiscono con angoli idonei alla lavorazione dei diversi tipi di legno.

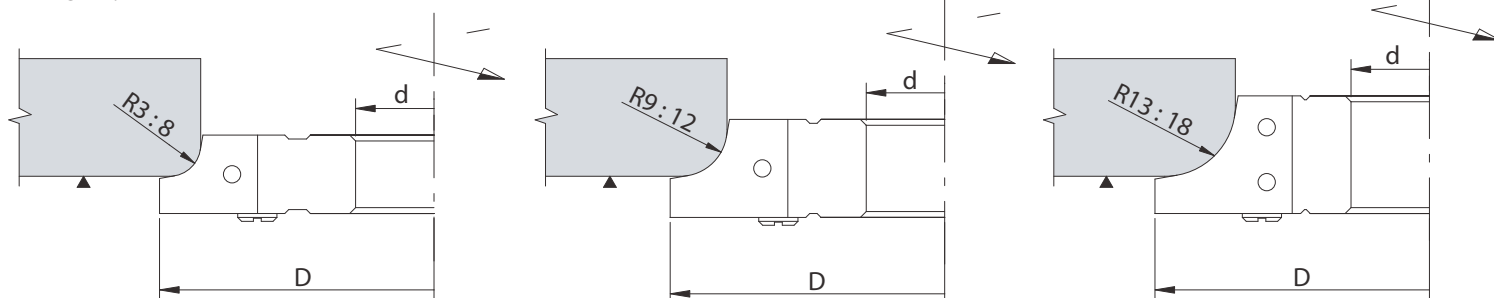
Le teste possono montare coltelli con raggi diversi come indicato in tabella. Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. Produced with suitable cutting angles for different types of wood. Cutters can use knives with different radius as stated below.

D. 140 mm - n. 5.500/9.000 min⁻¹ - d. max 50 mm**D. 160 mm - n. 4.800/8.000 min⁻¹ - d. max 50 mm****HW****Z=3****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed**RICAMBI/Spare Parts**

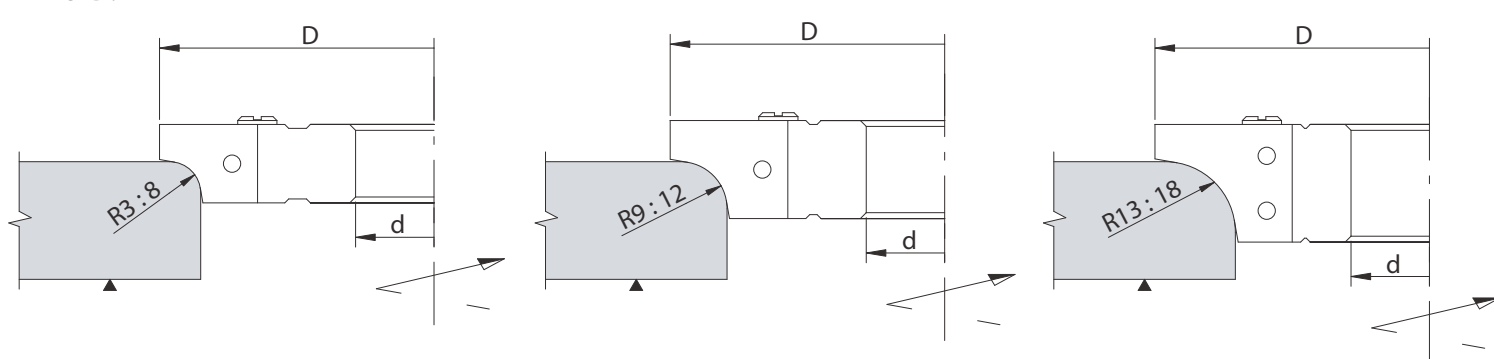
Codice Code	D D	B B	R R	Cod. Prezzo Price Code	Coltello Knife	Cuneo Gib	Vite Screw	Chiave Key
2530.140.020	140	20	3:8	F23	8170.020.025	8280.160.000	8285.008.000	8350.040.000
2530.140.025	140	25	9:12	D24	8170.025.030	8280.210.000	8285.008.000	8350.040.000
2530.160.030	160	30	13:18	D25	8170.030.035	8280.260.000	8285.008.000	8350.040.000

Nell'ordine specificare esecuzione tipo A e B.**In the order please state type A or type B.**

TIPO A:

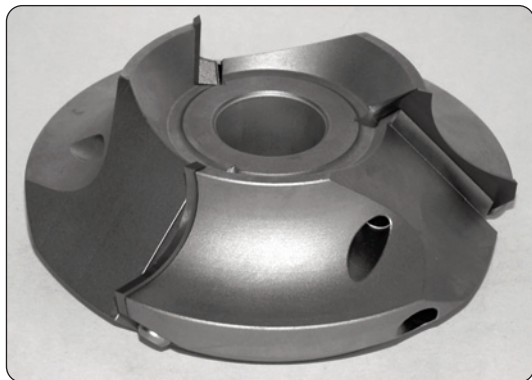


TIPO B:



2535

TESTA PORTA COLTELLI PER QUARTI DI TONDO QUARTER ROUND CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Esecuzione di quarti di tondo/To produce quarter round edges profiles

MACCHINA/MACHINE:

Toupie, scorniciatrice/Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. Corpo in lega leggera ERGAL. Si costruiscono con angoli idonei alla lavorazione dei diversi tipi di legno.

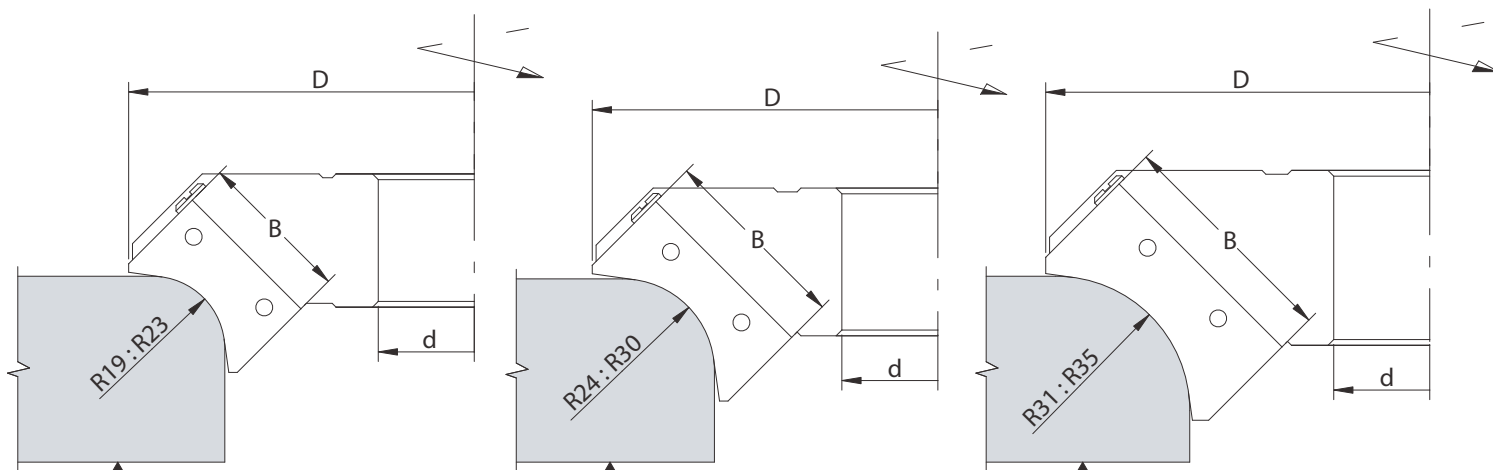
Le teste possono montare coltelli con raggi diversi come indicato in tabella. Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. Produced with suitable cutting angles for different types of wood. Cutters can use knives with different radius as stated below.

D. 180 mm - n. 4.300/7.600 min⁻¹ - d. max 50 mm

D. 200 mm - n. 3.700/7.100 min⁻¹ - d. max 50 mm

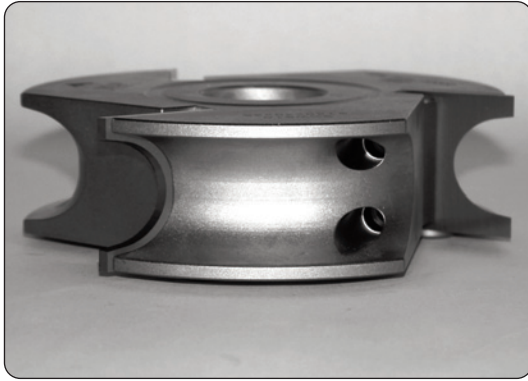
HW**Z=3****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed**RICAMBI/Spare Parts**

Codice Code	D D	B B	R R	Cod. Prezzo Price Code	Coltello Knife	Cuneo Gib	Vite Screw	Chiave Key
2535.180.040	180	40	19:23	A30	8170.040.025	8280.360.000	8285.008.000	8350.040.000
2535.180.050	180	50	24:30	H30	8170.050.030	8280.460.000	8285.008.000	8350.040.000
2535.200.060	200	60	31:35	L31	8170.060.035	8280.560.000	8285.008.000	8350.040.000



2545

TESTA PORTA COLTELLI PER MEZZI TONDI HALF ROUND CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Esecuzione di mezzi tondi/To produce half round edges profiles.

MACCHINA/MACHINE:

Toupie, scorniciatrice/Shapers, moulders, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli in hw integrale micrograno. Corpo in lega leggera ERGAL. Si costruiscono con angoli idonei alla lavorazione dei diversi tipi di legno.

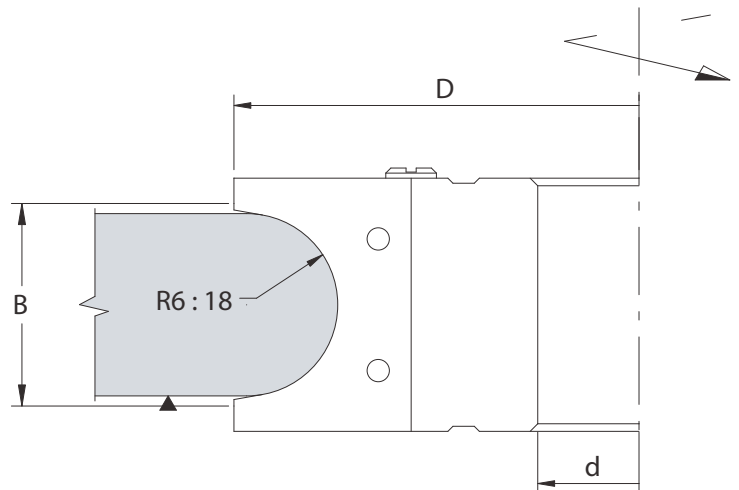
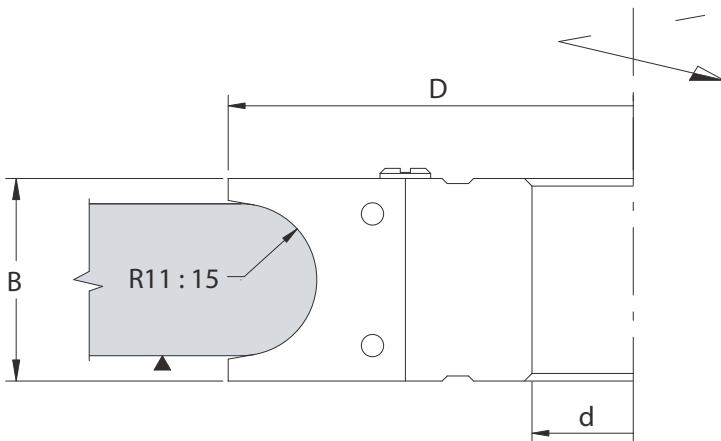
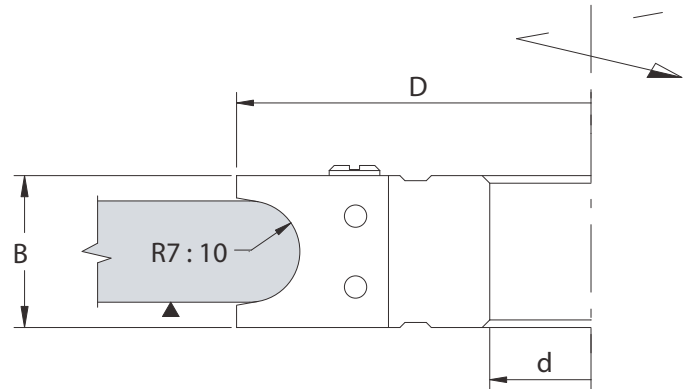
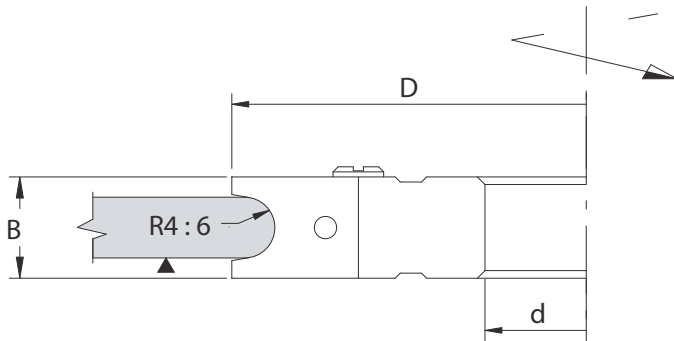
Le teste possono montare coltelli con raggi diversi come indicato in tabella. Manufactured with solid carbide micrograin knives. Cutter body made by high resistance ERGAL light alloy. Produced with suitable cutting angles for different types of wood. Cutters can use knives with different radius as stated below.

D. 140 mm - n. 5.500/9.000 min⁻¹ - d. max 50 mm

D. 160 mm - n. 4.800/8.000 min⁻¹ - d. max 50 mm

HW**Z=3****MAN**Avanzamento manuale
Manual feed**MEC**Avanzamento meccanico
Mechanical feed**RICAMBI/Spare Parts**

Codice Code	D D	B B	R R	d max d max	Cod. Prezzo Price Code	Coltello Knife	Cuneo Gib	Vite Screw	Chiave Key
2545.140.020	140	20	4:6	40	H24	8170.020.025	8280.160.000	8285.008.000	8350.040.000
2545.140.030	140	30	7:10	40	A25	8170.030.030	8280.260.000	8285.008.000	8350.040.000
2545.160.040	160	40	11:15	50	E26	8170.040.035	8280.360.000	8285.008.000	8350.040.000
2545.160.050	160	50	16:18	50	E27	8170.050.035	8280.460.000	8285.008.000	8350.040.000



3



**Teste portacoltelli
per porte e finestre**

***Doors and windows
cutter heads***

3005

GRUPPO DI TESTE MULTIPROFILO PER PORTE MULTIPROFILE CUTTERS FOR INTERNAL DOORS



APPLICAZIONE/APPLICATION:

Profili di porte in legno massiccio a spessore variabile.
Profiling of solid wood doors with variable thickness.

MACCHINA/MACHINE:

Toupie, scorniciatrici/Shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali. Il gruppo può utilizzare coltelli per realizzare i profili proposti su spessore di legno variabile. Corpo frese in lega leggera "Ergal".
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. The cutter set can use different knives to obtain the profiles suggested on various wood thickness. Cutter body made by high resistance ERGAL light alloy.
n. 4.800-8.500 min⁻¹

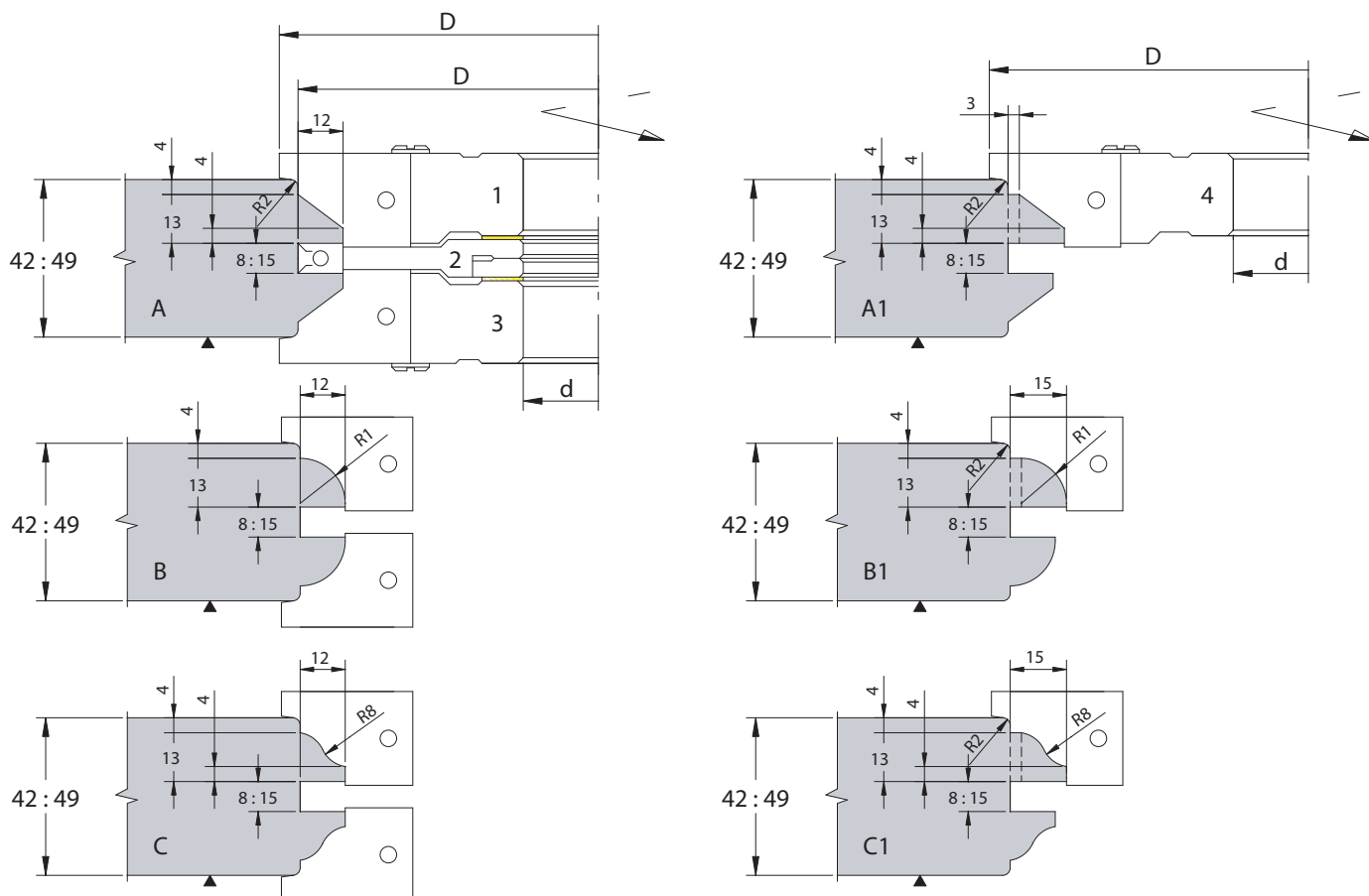
HW **Z=2** **MAN** Avanzamento manuale
Manual feed

RICAMBI /Spare Parts

Codice Code	D D	B B	d d	NR NR	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
3005.000.001	170	25	50*	1	G24	8170.025.035-A	8280.210.000	8285.008.000		
						8170.025.035-B				
						8170.025.035-C				
3005.000.002	160	8/15	50*	2	A23	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3005.000.003	170	25	50*	3	G24	8170.025.035-A	8280.210.000	8285.008.000		
						8170.025.035-B				
						8170.025.035-C				
3005.000.004	170	25	50*	4	G24	8170.025.035-A ₁	8280.210.000	8285.008.000		
						8170.025.035-B ₁				
						8170.025.035-C ₁				

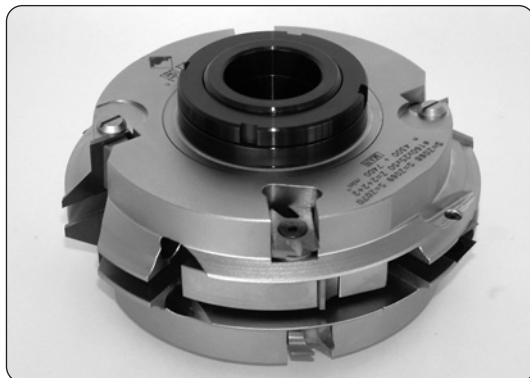
* Per fori diametro 30/35/40 aggiungere mozzo portafrese art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385



3010

GRUPPO DI TESTE MULTIPROFILO PER PORTE MULTIPROFILE CUTTERS FOR INTERNAL DOORS



APPLICAZIONE/APPLICATION:

Controprofili di porte in legno massiccio a spessore variabile.
Tenoning of solid wood doors with variable thickness.

MACCHINA/MACHINE:

Toupie, tenonatrice/Shapers, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio ideati per la lavorazione dei legni naturali. Il gruppo può utilizzare coltelli per realizzare i profili proposti su spessore di legno variabile.

Corpo frese in lega leggera "Ergal".

Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. The cutter set can use different knives to obtain the profiles suggested on various wood thickness. Cutter body made by high resistance ERGAL light alloy. n. 4.800-8.500 min⁻¹

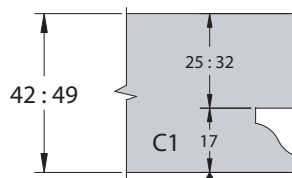
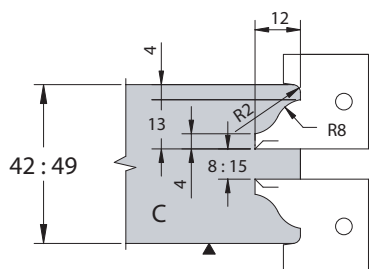
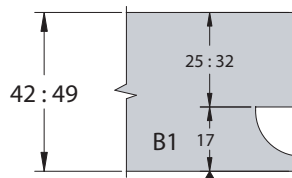
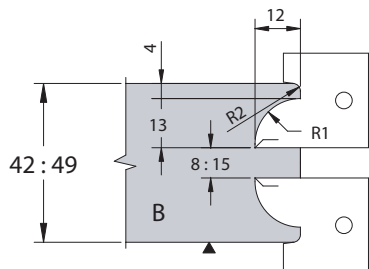
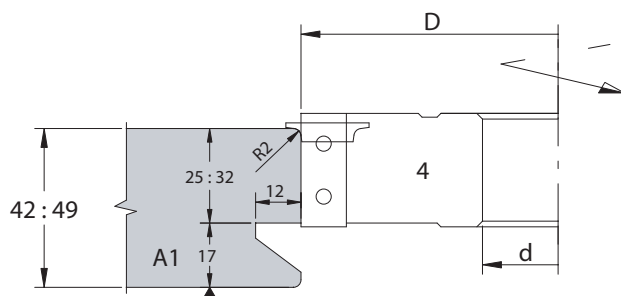
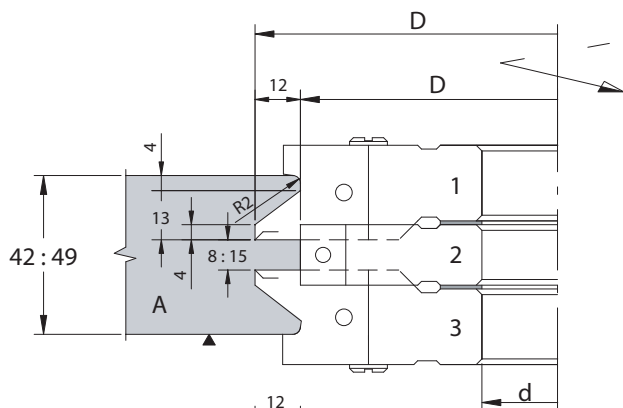
HW **Z=2** **MAN** Avanzamento manuale
Manual feed

RICAMBI /Spare Parts

Codice Code	D D	B B	d d	NR NR	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw	Spigolatore Edge breaker	Vite Screw
3010.000.001	160	25	50*	1	M25	8170.025.030-A	8280.210.000	8285.008.000	8120.140.002	8295.005.000		
						8170.025.030-B						
						8170.025.030-C						
3010.000.002	136	15	50*	2	C17	8105.150.012	8280.130.000	8285.008.000				
3010.000.003	160	25	50*	3	M25	8170.025.030-A	8280.210.000	8285.008.000	8120.140.001	8315.004.001		
						8170.025.030-B						
						8170.025.030-C						
3010.000.004	136	40	50*	4	H21	8105.400.012	8280.360.000	8285.008.000			8131.260.020	8300.005.000

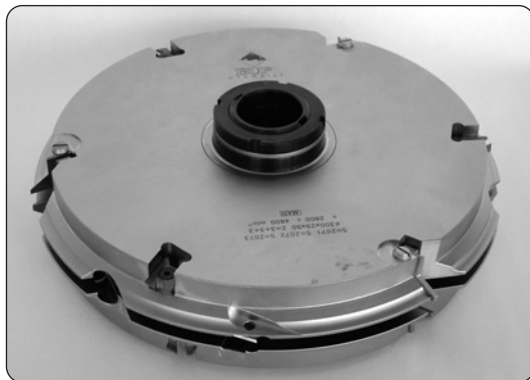
* Per fori diametro 30/35/40 aggiungere mozzo portafrese art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385



3015

GRUPPO DI TESTE MULTIPROFILO PER TENONI MULTIPROFILE TENONING CUTTERSET



APPLICAZIONE/APPLICATION:

Tenonatura di porte in legno massiccio a spessore variabile.
Tenoning of solid wood doors with variable thickness.

MACCHINA/MACHINE:

Toupie, tenonatrice/Shapers, double end tenoners.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali. Il gruppo può utilizzare coltelli per realizzare i profili proposti su spessore di legno variabile.

Corpo frese in lega leggera "Ergal".

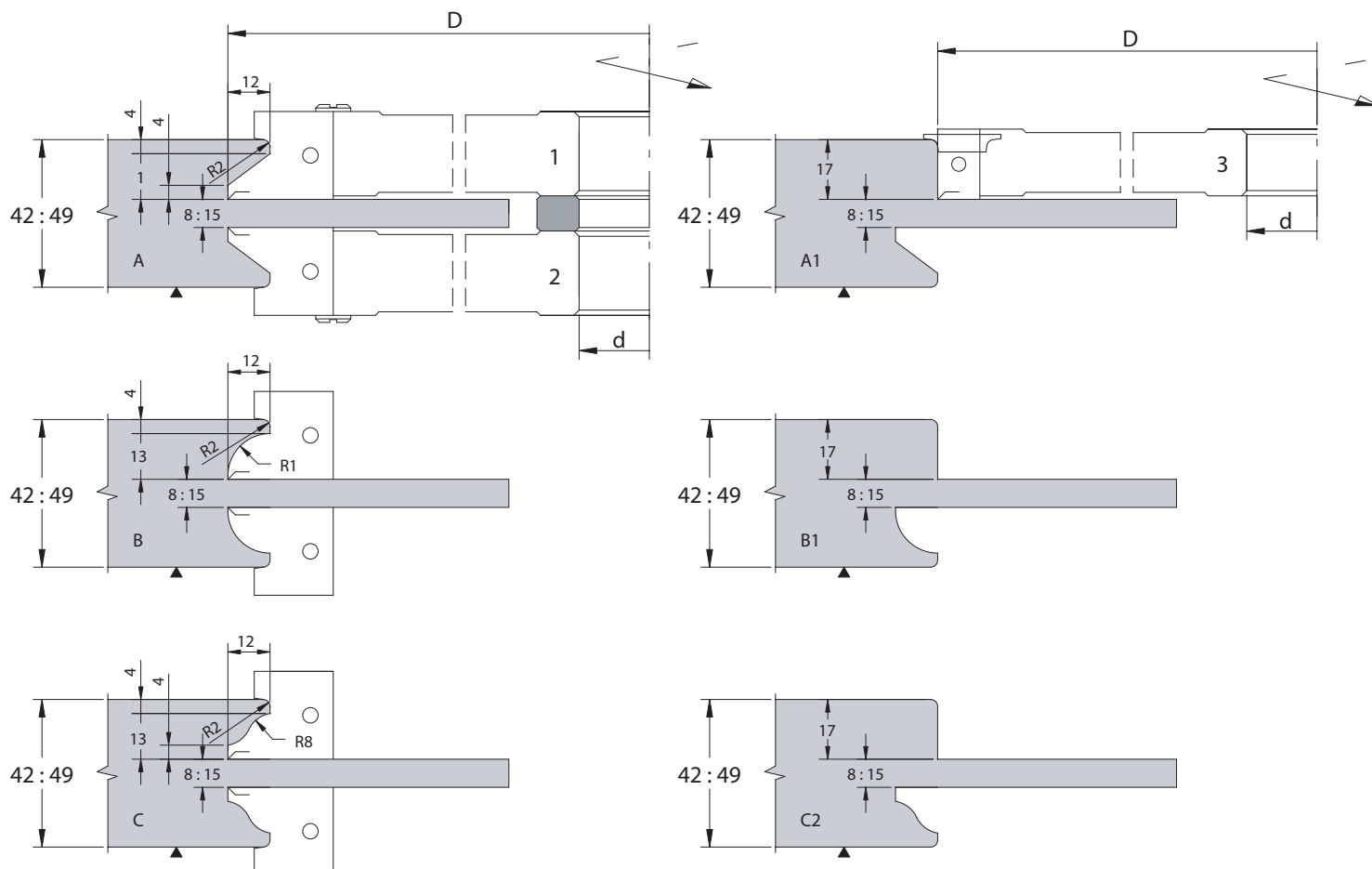
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. The cutter set can use different knives to obtain the profiles suggested on various wood thickness. Cutter body made by high resistance ERGAL light alloy. n. 2.800-4.800 min⁻¹

HW **Z=4** **MAN** Avanzamento manuale
Manual feed

						RICAMBI /Spare Parts						
Codice Code	D D	B B	d d	NR NR	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw	Spigolatore Edge breaker	Vite Screw
3015.000.001	300	25	50*	1	M31	8170.025.030-A	8280.210.000	8285.008.000	8120.140.001	8315.004.001		
						8170.025.030-B						
						8170.025.030-C						
3015.000.002	300	25	50*	2	M31	8170.025.030-A	8280.210.000	8285.008.000	8120.140.001	8315.004.001		
						8170.025.030-B						
						8170.025.030-C						
3015.000.003	276	20	50*	3	E25	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000	8131.260.020	8300.005.000

* Per fori diametro 30/35/40 aggiungere mozzo portafrese art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385



3020

GRUPPO DI TESTE MULTIPROFILO PER PORTE MULTIPROFILE CUTTERS FOR INTERNAL DOORS



APPLICAZIONE/APPLICATION:

Profilatura esterna di porte in legno.
External profiling of solid wood doors.

MACCHINA/MACHINE:

Toupie, scorniatrici/Shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali. Il gruppo può utilizzare coltelli per realizzare i profili proposti su spessore di legno variabile. Corpo frese in lega leggera "Ergal".

Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. The cutter set can use different knives to obtain the profiles suggested on various wood thickness. Cutter body made by high resistance ERGAL light alloy.

n. 4.800-8.500 min⁻¹

HW **Z=2** **MAN** Avanzamento manuale
Manual feed

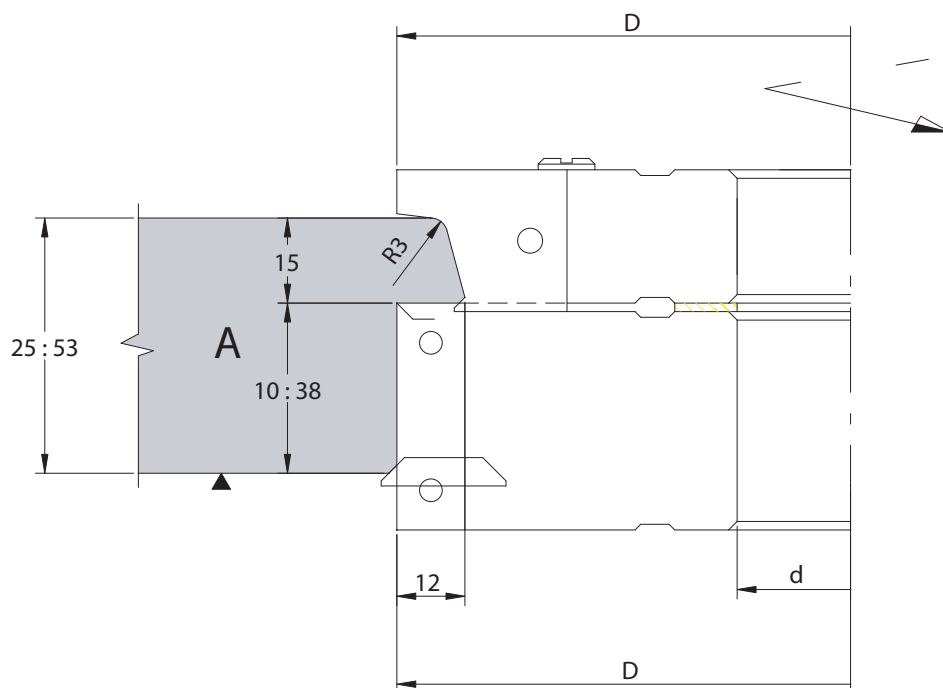
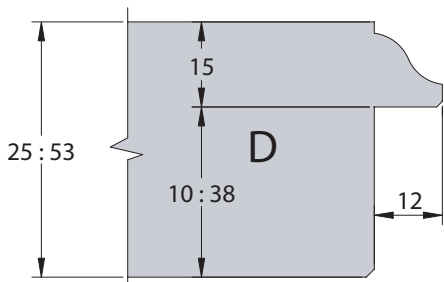
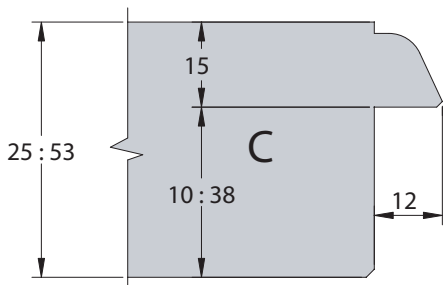
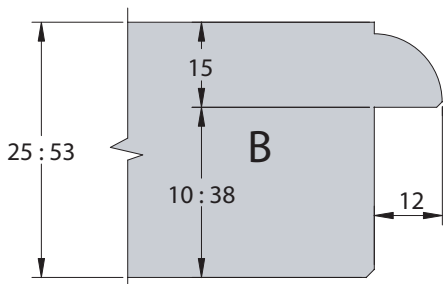
Codice Code	D D	d d	Cod. Prezzo Price Code	RICAMBI /Spare Parts				
				Profilo Profile	Coltello Knife	Cuneo Wedge	Vite Screw	Chiave Key
3020.000.001	160	50*	A33	A	8170.025.030	8280.210.000	8285.008.000	8350.040.000
				B	8170.025.030			
				C	8170.025.030			
				D	8170.025.030			

* Per fori diametro 30/35/40 aggiungere mozzo portafrese art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385

RICAMBI FRESA PIANA/Straight cutter spare parts

Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite incisore Spur screw	Spigolatore Edge breaker
8105.400.012	8280.360.000	8285.008.000	8120.140.002	8295.005.000	8132.260.045



3025

GRUPPO DI TESTE PER PROFILATURA TELAIIO PORTA CUTTERHEADS SET FOR DOOR-FRAME PROFILING



APPLICAZIONE/APPLICATION:

Profilatura di telai per porte.
Profiling of door-frames.

MACCHINA/MACHINE:

Toupie, scorniciatrici/Shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali.
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood.

A: n. 4.300-7.400 min⁻¹ - B: n. 5.200-9.100 min⁻¹

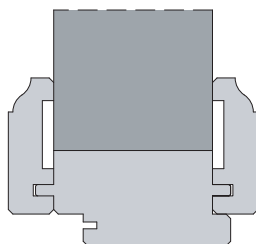
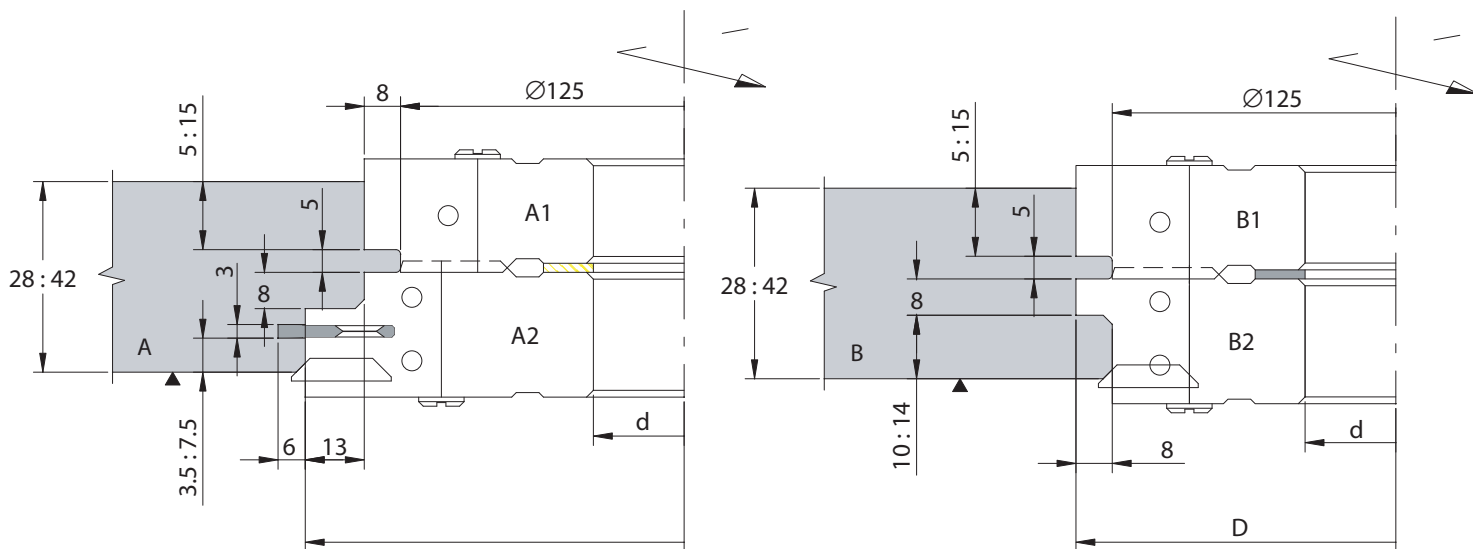
HW **Z=2** **MAN** Avanzamento manuale
Manual feed

RICAMBI /Spare Parts

Codice Code	D D	d d	Profilo Profile	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Insero canale Groove insert	Vite Screw	Spigolatore Edge breaker	Vite Screw
3025.000.001	167	50*	A	B33	8170.025.025-A1	8280.210.000	8285.008.000				
					8170.030.030-A2	8280.260.000	8285.008.000	8142.030.025	8305.005.000	8132.260.045	8300.005.000
3025.000.002	141	50*	B	H32	8170.025.025-B1	8280.210.000	8285.008.000				
					8170.030.025-B2	8280.260.000	8285.008.000			8132.260.045	8300.005.000

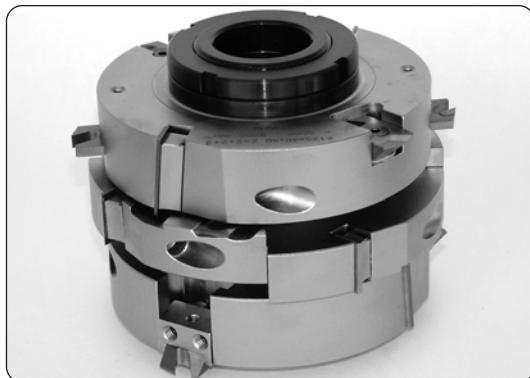
* Per fori diametro 30/35/40 aggiungere mozzo portafrese art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385



3030

GRUPPO DI TESTE PER PROFILATURA MOSTRINE CUTTERHEADS SET FOR DOOR-FRAME PROFILING

**APPLICAZIONE/APPLICATION:**

Profilatura mostrine per porte interne.
Profiling of door-frames.

MACCHINA/MACHINE:

Toupie, scorniciatrici/Shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali.
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood.

n. 5.000-9.000 min⁻¹

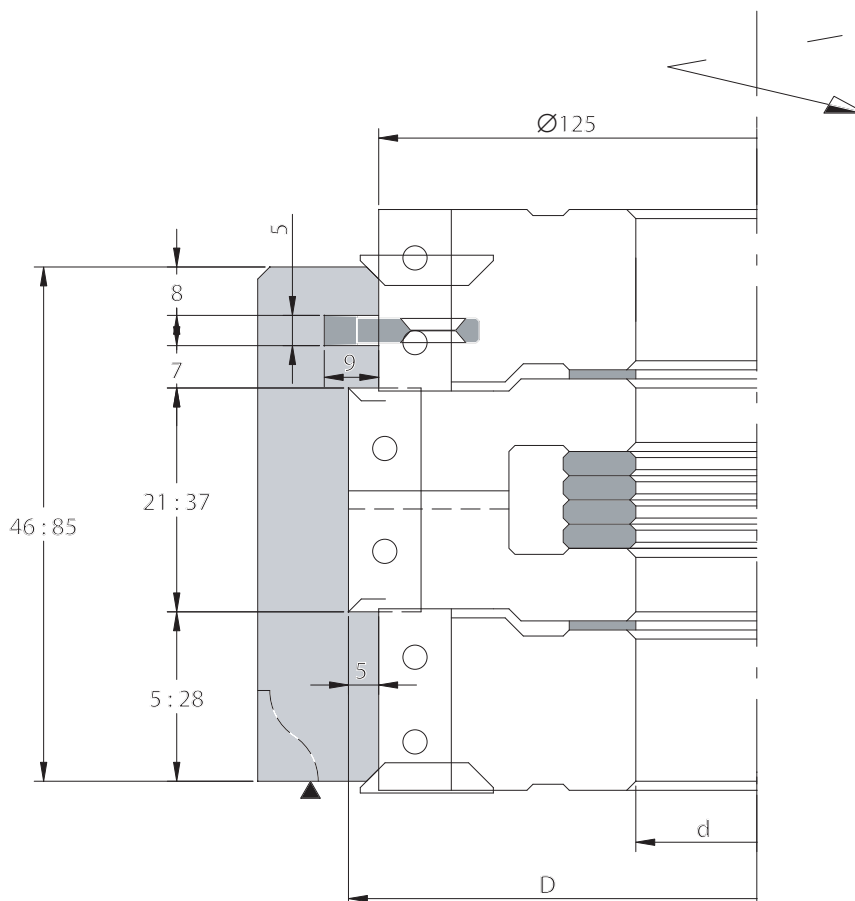
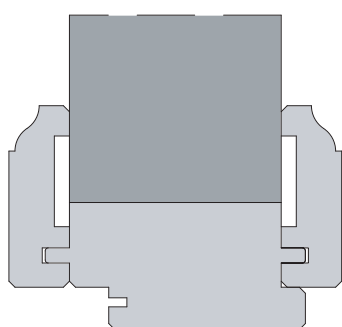
HW **Z=2** **MAN** Avanzamento manuale
Manual feed

RICAMBI /Spare Parts

Codice Code	D D	d d	Cod. Prezzo Price Code	Fresa Cutter	Coltello Knife	Cuneo Wedge	Vite Screw	Inserto canale Groove insert	Vite Screw	Spigolatore Edge breaker	Vite Screw
3030.000.000	135	50*	B34	A	8105.300.012	8280.260.000	8285.008.000	8142.050.025	8305.005.000	8131.260.045	8300.005.000
				B	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000		
				C	8105.300.012	8280.260.000	8285.008.000			8132.260.045	8300.005.000

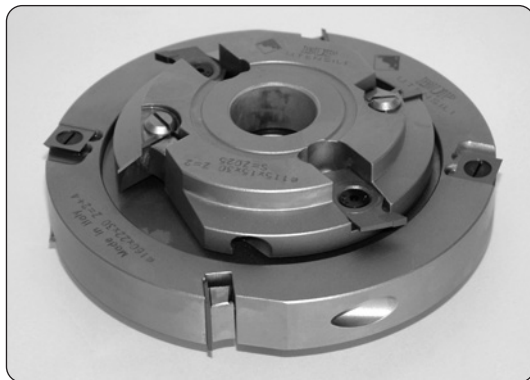
* Per fori diametro 30/35/40 aggiungere mozzo portafresa art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385



3035

GRUPPO DI TESTE PER PORTE SCORREVOLI CUTTER HEADS SET FOR SLIDING DOORS

**APPLICAZIONE/APPLICATION:**

Profilatura telai di porte scorrevoli.
Profiling of sliding doors frames.

MACCHINA/MACHINE:

Toupie, tenonatrice/Shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali.

Corpo frese in lega leggera "Ergal".

Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. Cutter body made by high resistance ERGAL light alloy.

n. 4.800-8.300 min⁻¹

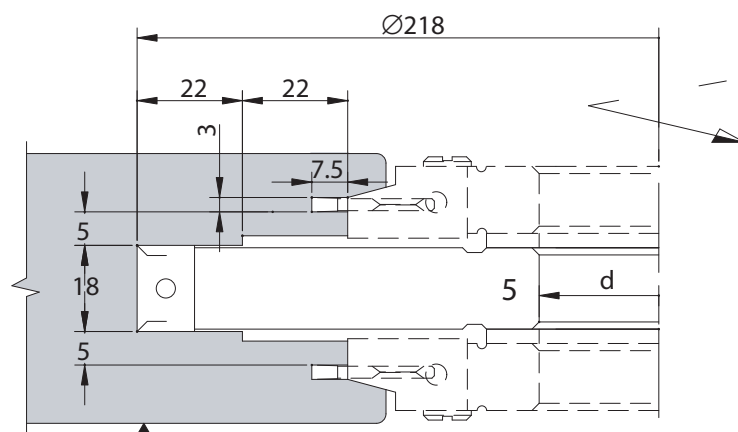
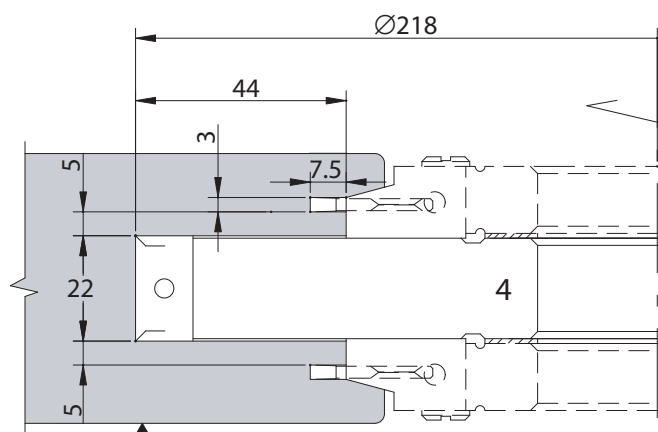
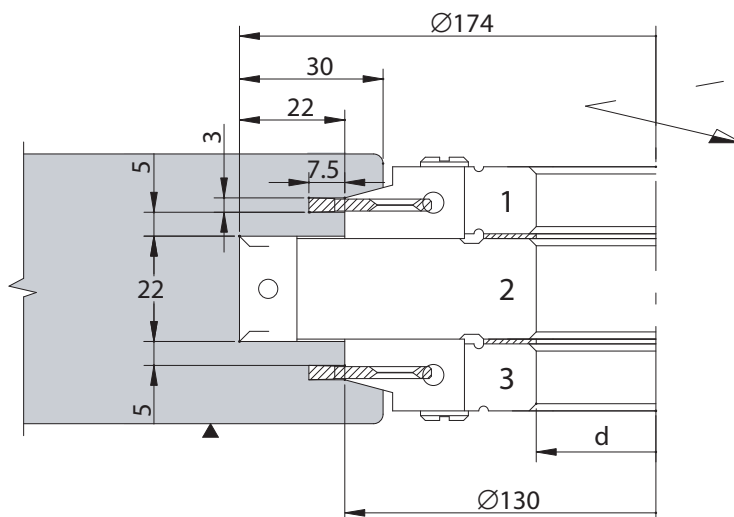
HW **Z=2** **MAN** Avanzamento manuale
Manual feed

RICAMBI /Spare Parts

Codice Code	D D	B B	d d	NR NR	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw	Inserto canale Groove insert	Vite Screw
3035.000.001	130	15	50*	1	A26	8170.015.025	8280.130.000	8285.008.000			8142.030.025	8305.005.000
3035.000.002	174	22	50*	2	L20	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000		
3035.000.003	130	15	50*	3	A26	8170.015.025	8280.130.000	8285.008.000			8142.030.025	8305.005.000
3035.000.004	218	18	50*	5	E21	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000		
3035.000.005	218	22	50*	4	E21	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000		

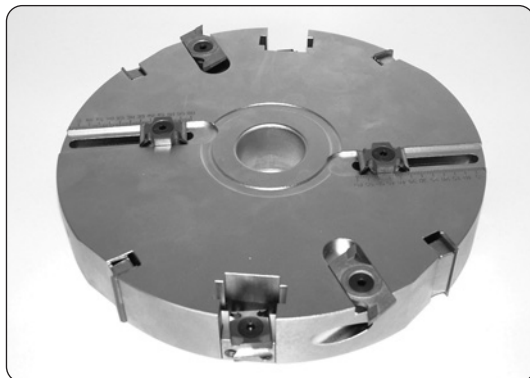
* Per fori diametro 30/35/40 aggiungere mozzo portafrese art. 8385

* Bore diameters 30/35/40 add sleeves Art. 8385



3040

TESTA PORTA COLTELLI PER TELAI DI PORTE CUTTER HEAD FOR DOOR-FRAME

**APPLICAZIONE/APPLICATION:**

Esecuzione della battuta del telaio porta.
Profiling of door-frames.

MACCHINA/MACHINE:

Toupie/Shapers, moulders.

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno.
Possibilità di regolare la profondità e l'altezza della battuta, nell'ordine indicare il diametro del foro "d".
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. The rebate is adjustable as drawing. In the order please state the bore diameter "d".

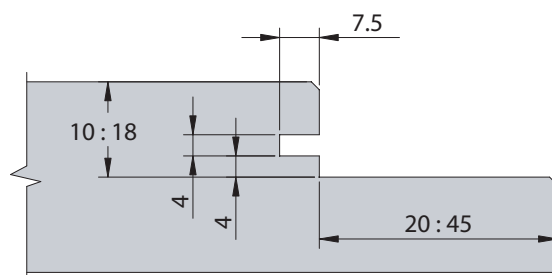
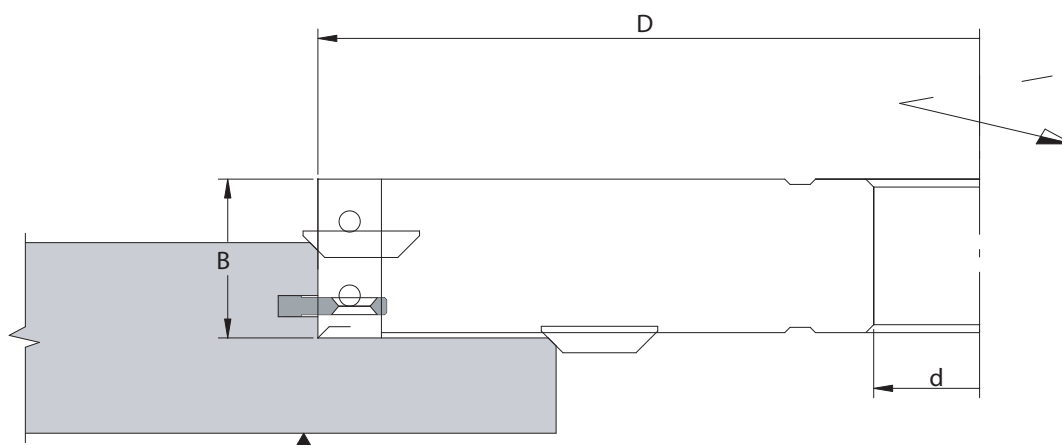
n. 3.900-6.000 min⁻¹

HW **Z=4** **MAN** Avanzamento manuale
Manual feed

Codice Code	D	B	Cod. Prezzo Price Code	RICAMBI /Spare Parts				
				Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
3040.200.000	200	30	M32	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000

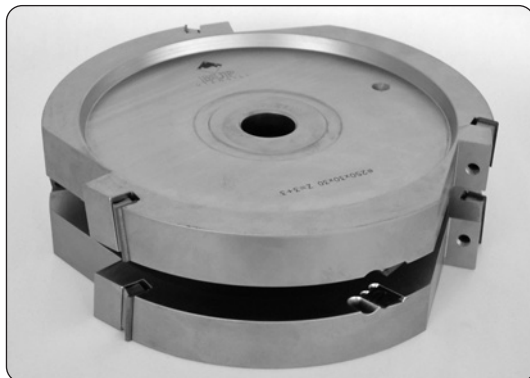
RICAMBI /Spare Parts

Spigolatore Edge breaker	Vite Screw	Inserto canale Groove insert	Vite Screw
8131.260.045	8300.005.000	8142.040.025	8305.005.000



3045

TESTE PORTACOLTELLI PER TENONI TENONING CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Esecuzione di tenoni per porte e finestre.
Solid wood doors and windows tenoning.

MACCHINA/MACHINE:

Toupie, tenonatrice/Shapers, tenoners.

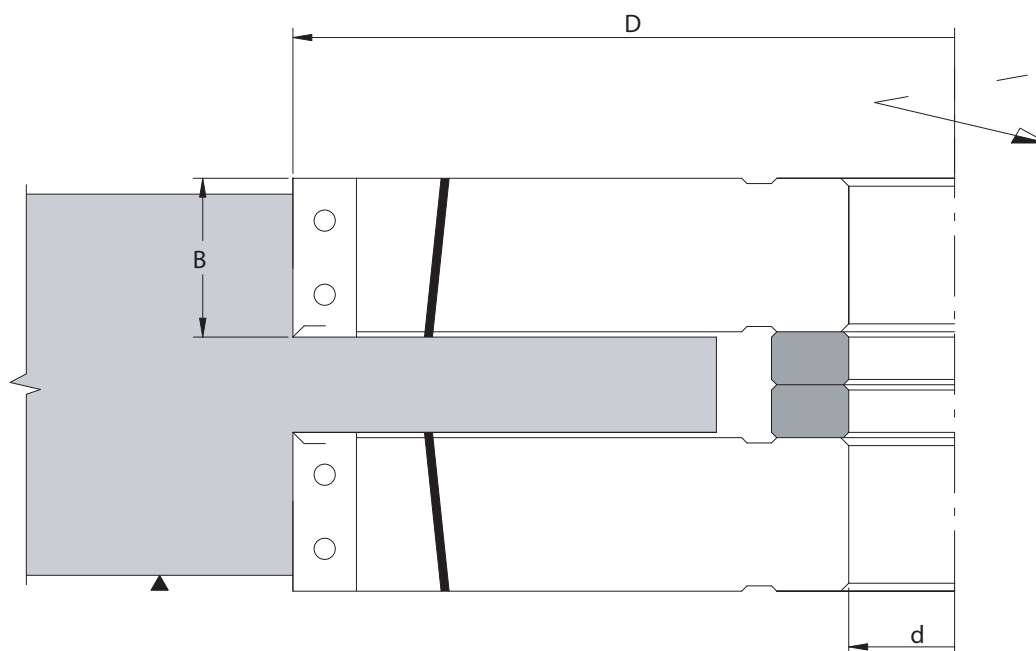
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali.
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. In the order please state the bore diameter " d ".

D. 220/250 - n. 2.700-4.600 min⁻¹ - D. 270/300 - n. 2.500-4.400 min⁻¹

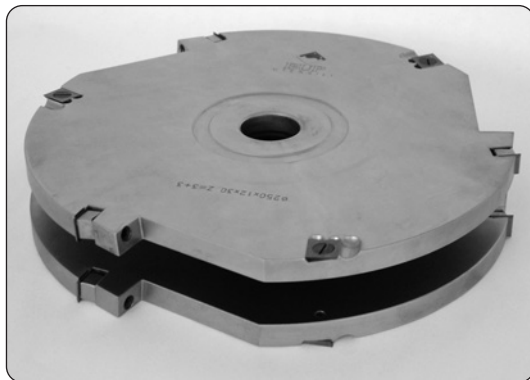
HW**Z=3+3****MAN**Avanzamento manuale
Manual feed**RICAMBI /Spare Parts**

Codice Code	D D	B B	Cod. Prezzo Price Code	RICAMBI /Spare Parts				
				Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
3045.220.020	220	20	F24	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3045.220.030	220	30	F25	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3045.220.040	220	40	A27	8105.400.012	8280.360.000	8285.008.000	8120.140.002	8295.005.000
3045.250.020	250	20	L24	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3045.250.030	250	30	H25	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3045.250.040	250	40	D27	8105.400.012	8280.360.000	8285.008.000	8120.140.002	8295.005.000
3045.270.020	270	20	C25	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3045.270.030	270	30	B26	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3045.270.040	270	40	G27	8105.400.012	8280.360.000	8285.008.000	8120.140.002	8295.005.000
3045.300.020	300	20	F25	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3045.300.030	300	30	E26	8105.300.012	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3045.300.040	300	40	M27	8105.400.012	8280.360.000	8285.008.000	8120.140.002	8295.005.000



3050

TESTE PORTACOLTELLI PER TENONI TENONING CUTTERHEADS

**APPLICAZIONE/APPLICATION:**

Esecuzione di tenoni per porte e finestre.
Solid wood doors and windows tenoning.

MACCHINA/MACHINE:

Toupie, tenonatrice/Shapers, tenoners.

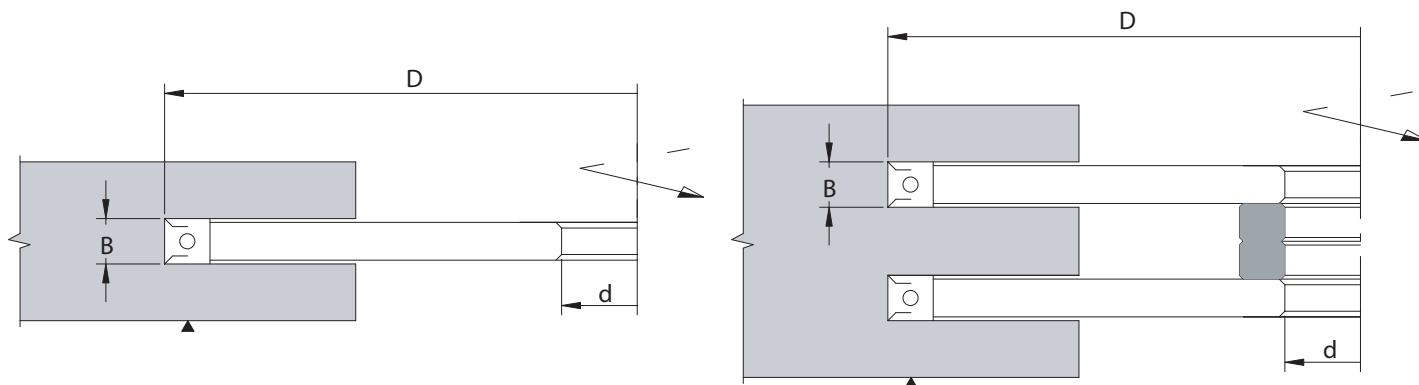
INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio idonei alla lavorazione dei legni naturali.
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. In the order please state the bore diameter " d ".

D. 220/250 - n. 2.900-4.800 min⁻¹ - D. 270/300 - n. 2.600-4.500 min⁻¹

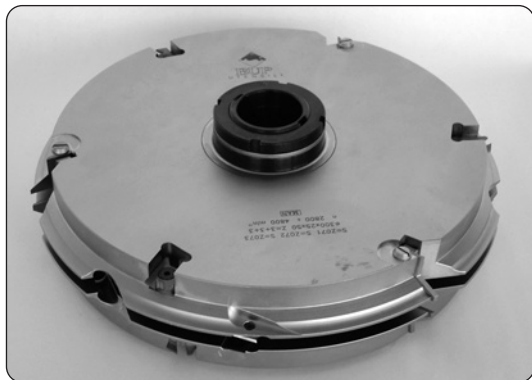
HW**Z=3+6****MAN**Avanzamento manuale
Manual feed**RICAMBI /Spare Parts**

Codice Code	D	B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
3050.220.008	220	8	H25	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.220.010	220	10	L25	8105.096.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.220.012	220	12,5	A26	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
3050.220.016	220	16	B26	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
3050.220.021	220	21	C26	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3050.250.008	250	8	A26	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.250.010	250	10	B26	8105.096.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.250.012	250	12,5	C26	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
3050.250.016	250	16	D26	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
3050.250.021	250	21	E26	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3050.270.008	270	8	C26	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.270.010	270	10	E26	8105.096.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.270.012	270	12,5	F26	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
3050.270.016	270	16	G26	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
3050.270.021	270	21	L26	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3050.300.008	300	8	F26	8105.076.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.300.010	300	10	H26	8105.096.012	8280.070.000	8285.006.000	8120.140.002	8295.005.000
3050.300.012	300	12,5	L26	8105.120.012	8280.100.000	8285.008.000	8120.140.002	8295.005.000
3050.300.016	300	16	M26	8105.150.012	8280.130.000	8285.008.000	8120.140.002	8295.005.000
3050.300.021	300	21	A27	8105.200.012	8280.160.000	8285.008.000	8120.140.002	8295.005.000



3065

TESTE PORTACOLTELLI PER TENONI TENONING CUTTERHEADS



APPLICAZIONE/APPLICATION:

Esecuzione di tenoni per porte e finestre.
Solid wood doors and windows tenoning.

MACCHINA/MACHINE:

Toupie, tenonatrice/*Shapers, tenoners.*

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION:

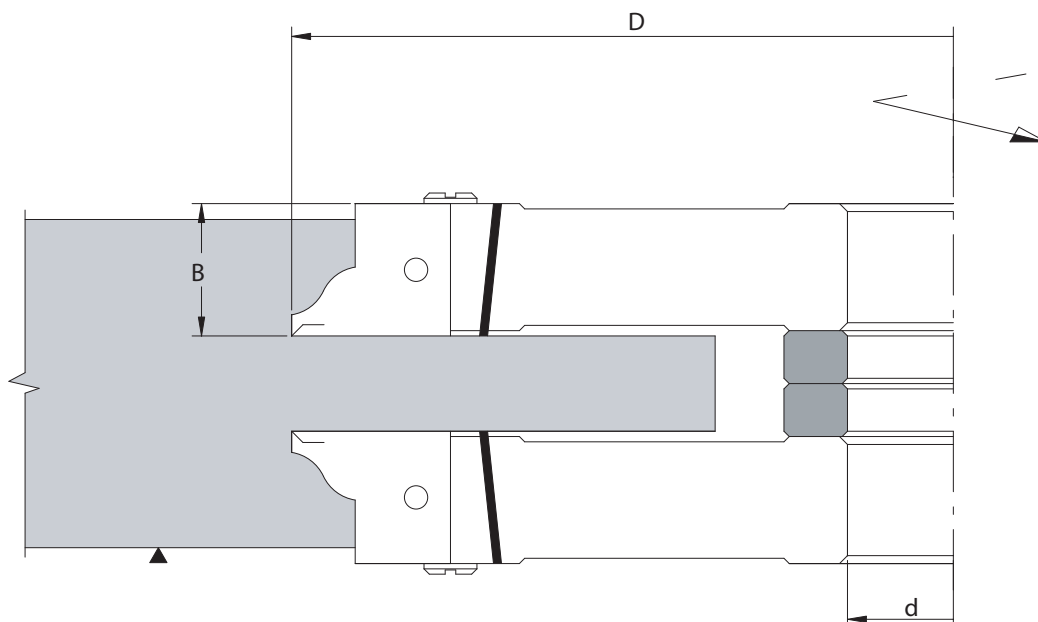
Esecuzione con coltelli intercambiabili in HW integrale micrograno. Costruite con angoli di taglio ideati per la lavorazione dei legni naturali.
Manufactured with solid carbide micrograin knives. Produced with suitable cutting angles for solid wood. In the order please state the bore diameter "d".

D. 220/250 - n. 2.700-4.600 min⁻¹ - D. 270/300 - n. 2.500-4.400 min⁻¹

HW **Z=3+3** **MAN** Avanzamento manuale
Manual feed

RICAMBI /Spare Parts

Codice Code	D D	B B	Cod. Prezzo Price Code	Coltello Knife	Cuneo Wedge	Vite Screw	Incisore Spur	Vite Screw
3065.220.020	220	20	L31	8170.....	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3065.220.025	220	25	M31	8170.....	8280.210.000	8285.008.000	8120.140.002	8295.005.000
3065.220.030	220	30	D32	8170.....	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3065.250.020	250	20	A32	8170.....	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3065.250.025	250	25	B32	8170.....	8280.210.000	8285.008.000	8120.140.002	8295.005.000
3065.250.030	250	30	F32	8170.....	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3065.270.020	270	20	B32	8170.....	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3065.270.025	270	25	C32	8170.....	8280.210.000	8285.008.000	8120.140.002	8295.005.000
3065.270.030	270	30	G32	8170.....	8280.260.000	8285.008.000	8120.140.002	8295.005.000
3065.300.020	300	20	D32	8170.....	8280.160.000	8285.008.000	8120.140.002	8295.005.000
3065.300.025	300	25	E32	8170.....	8280.210.000	8285.008.000	8120.140.002	8295.005.000
3065.300.030	300	30	H32	8170.....	8280.260.000	8285.008.000	8120.140.002	8295.005.000



BIANCA

Prezzi

Sono quelli riportati nel nostro listino in vigore purchè gli utensili abbiano le caratteristiche riportate nel nostro catalogo (diametro-spessore-foro-n. taglienti etc.). Per misure intermedie ci si dovrà riferire a quella immediatamente superiore.

Consegna

Entro 3 giorni dal ricevimento dell'ordine per utensili pronti a magazzino; entro 20 giorni lavorativi (salvo imprevisti) per utensili speciali su disegno.

Spedizioni

La merce viaggia a rischio e pericolo del committente salvo disposizioni contrarie, per la via da noi ritenuta più vantaggiosa. Le spedizioni si intendono franco ns. fabbrica. L'imballo sarà fatturato al costo.

Pagamento

Il pagamento si intende per contanti al ricevimento della fattura con sconto 3% oppure con tratte autorizzate 30/60 gg. F.M.

Ordini

Non si accettano annullamenti o variazioni trascorsi 3 giorni dal ricevimento dell'ordine. In caso di annullamento la ditta si riserva il diritto di chiedere il rimborso spese sino a quel momento sostenute (materiale e lavorazione). La ditta si riserva inoltre il diritto di modificare le misure che per ragioni tecniche si dovessero ritenere necessarie.

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Non si accettano trascorsi otto giorni dalla data di consegna.

Resi

Non si accettano trascorsi venti giorni dalla data di spedizione se non preventivamente autorizzati

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I nostri utensili sono sottoposti ad accurati controlli e sono garantiti sia qualitativamente che tecnicamente. Nessuna garanzia verrà riconosciuta per utensili manomessi (allargatura fori-affilatura imperfetta) o per utensili impiegati a condizioni non consentite dal tipo di materiale usato per la loro fabbricazione.

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Prices

The prices are these quoted in our current list so long as the tools have the characteristics stated in our catalogue (diameter-thickness-bore-number of cutting edges, etc). For intermediate measurements, the immediately higher measurement must be used.

Delivery

Within 3 days of receipt of order for tools in stock; within 20 working days (circumstances permitting) for special custom-built tools.

Shipments

The goods travel at the buyer's risk and peril subject to provisions to the contrary, by the means we consider most advantageous. Shipmentes are ex our factory. Packing will be billed at cost.

Payment

Paument shall be in cash upon receipt of invoice with 3% discount, or by authorized draftas 30/60 days F.M.

Orders

No cancellation or changes will be accepted after 3 days from receipt of order. In case of cancellation, the company reserves the right to request reimbursement of expenses sustained to that moment (material and labour). The company also reserves the right to change the measurements for technical reasons if considered necessary.

Claims

No claims will be accepted after eight days from the date of delivery.

Returns

No returns will be accepted after twenty days from the date of shipment unless authorized in advance.

Guarantee

Our tools are subjected to thorough controls and guaranteed for quality and engineering. No guarantee will be recognized for tampering (widening of bores, imperfect sharpening) or for tools used in conditions not permitted by the type of material used for their manufacture.

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